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Updated: June 1, 2026

Country	Latest Biblio	Update Frequency	Biblio Data	Abstract	Chemical Data	Chemical indexed	Doc images	OCR [full-text] Indexed	Nb records
PCT	01.06.2026	Daily	19.10.1978 - 28.05.2026	19.10.1978 - 28.05.2026	11.01.1979 - 30.04.2026	1,121,652	5,398,659	Total: 5,397,873 Arabic: 223 German: 474,542 English: 2,893,246 Spanish: 34,119 French: 163,411 Japanese: 913,085 Korean: 228,165 Portuguese: 7,826 Russian: 25,018 Chinese: 658,238	5,398,659
83 national collections available									
African Regional Intellectual Property Organization [ARIPO]			03.07.1985 - 27.10.2023	03.07.1985 - 27.10.2023			1,676	Total: 1,671 English: 1,671	4,662
Argentina	05.05.2026	Monthly	11.02.1965 - 29.04.2026	31.10.1990 - 29.04.2026			10,686	Total: 32,926 Spanish: 32,926	185,354
Australia	22.05.2026	Weekly	14.01.1900 - 21.05.2026	08.01.1981 - 21.05.2026				Total: 831,425 English: 831,425	1,966,243

Portugal	06.05.2026	Monthly	23.06.1967 – 30.04.2026	01.02.1976 – 30.04.2026		3,739	Total: Portuguese:	83,411 83,411	163,059	
Republic of Korea	20.05.2026	Twice a month	04.02.1979 – 15.05.2026	04.02.1979 – 15.05.2026	22.09.1980 – 31.03.2026	661,117	Total: English: Korean:	4,878,738 3,665 4,875,073	5,528,751	
Romania	26.05.2026	Monthly	08.01.1907 – 30.12.2025	15.01.1979 – 30.12.2025			Total: English: Romanian:	26,427 59 26,368	79,157	
Russian Federation	20.05.2026	Monthly	15.02.1993 – 20.05.2026	15.02.1993 – 20.05.2026	16.01.1995 – 20.03.2026	131,568	Total: German: English: Russian:	960,842 32 91,665 869,145	1,435,600	
Russian Federation[USSR data]	20.05.2026		28.02.1919 – 06.05.2026	30.11.1960 – 06.05.2026	07.06.2021 – 07.08.2023	15	1,369,053	Total: German: Russian:	127 7 120	1,409,981
San Marino	21.05.2026	Weekly	16.02.2000 – 12.05.2026	31.08.2016 – 12.05.2026					7,584	
Saudi Arabia	22.01.2026		23.12.1995 – 17.10.2023	23.12.1995 – 17.10.2023					13,433	
Serbia	07.05.2026	Monthly	27.10.2006 – 30.04.2026	27.10.2006 – 30.04.2026			Total: Serbian:	10,861 10,861	22,115	



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Публикация РСТ 22/2026 (28 мая 2026 г.) открыта для общего доступа [здесь](#). Следующая публикация РСТ 23/2026 запланирована на 4 июня 2026 г.. [Больше](#)

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Поле
Формула изобретения

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electric bicycle



Примеры запросов

RU_CL (electric bicycle)




 0 результат/результата/результатов [Ведомства all](#) [Языки ru](#) [Стемминг true](#) [Единственный член семейства false](#) [Включая NPL false](#)




По вашему запросу ничего не найдено
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1. **02100239** ЭЛЕКТРОВЕЛОСИПЕД


RU - 27.12.1997

Класс МПК [B62K 11/00](#)  № заявки 96116065/28 Заявитель Khortov Vjacheslav Petrovich Изобретатель Khortov Vjacheslav Petrovich

Использование: в наземных колесных транспортных средствах, приводимым в действие как мускульной силой человека, так и посредством использования источника электрической энергии. Сущность изобретения: электровелосипед содержит раму, рулевое ведомое колесо, ведущее колесо, мускульный цепной привод и электрический привод для ведущего колеса, состоящий из обратимой электрической машины, ротор которой кинематически связан цепью с ведущим колесом. Источник выполнен в виде конденсатора с двойным электрическим слоем, имеющим диэлектрик из карбонизированной бумаги, образующий замкнутый электрический контур

рекуперативной системы торможения. 6 з.п. ф-лы, 2 ил. 2. **0000194429** ТРЕХКОЛЕСНЫЙ ТЕРАПЕВТИЧЕСКИЙ ЭЛЕКТРОВЕЛОСИПЕД ДЛЯ ЛЮДЕЙ С ОГРАНИЧЕННЫМИ ВОЗМОЖНОСТЯМИ


RU - 11.12.2019

Класс МПК [B62K 5/00](#)  № заявки 2019124129 Заявитель Изобретатель Пономарев Константин Зорьевич [RU]

Полезная модель относится как к моторизации средств передвижения, так и может быть использована для реабилитации людей с ограниченными возможностями, страдающих различными патологиями, приводящими к частичному обездвижению, нарушению способности держать равновесие, для пациентов с мышечными атрофиями, контрактурами, сердечно-сосудистыми заболеваниями, полным или частичным отсутствием одной из нижних конечностей, ДЦП, спина бифида, а также страдающих непропорциональным весом по отношению к росту, другими заболеваниями. Представленный трехколесный терапевтический электровелосипед является как моторизованным средством перемещения, или средством приводимым в движение мускульной силой ног пользователя без использования электродвигателя, так и смешанным, в котором электровелосипед помогает пользователю двигаться вперед, отталкиваясь ногами от земли, и тем самым позволяет, к примеру, не перегружать мышечную систему пользователя. Сущность полезной модели выражается в совокупности существенных признаков, в которой трехколесный терапевтический электровелосипед обеспечивает моторизацию средства передвижения для людей с ограниченными возможностями, а также реабилитацию последним вестибулярного аппарата, опорно-двигательной системы, укрепления костного скелета и мышц, улучшения работы сердечно-сосудистой системы, дыхательных функций, обмена веществ, ДЦП, спина бифида, аутизма и др. путем создания для пациента различной активной нагрузки. Технический результат полезной модели заключается в моторизации средства передвижения трехколесного терапевтического электровелосипеда для людей с ограниченными возможностями, а также обеспечении максимального количества настроек под индивидуальные особенности пользователя. 14 з.п. ф-лы, 12 ил.

3. **0002720211** ТРЕХКОЛЕСНЫЙ ТЕРАПЕВТИЧЕСКИЙ ЭЛЕКТРОВЕЛОСИПЕД ДЛЯ ЛЮДЕЙ С ОГРАНИЧЕННЫМИ ВОЗМОЖНОСТЯМИ

RU - 28.04.2020

Класс МПК [A61F 5/00](#)  № заявки 2019124128 Заявитель Изобретатель Пономарев Константин Зорьевич [RU]

Изобретение относится как к моторизации средств передвижения, так и может быть использовано для реабилитации людей с ограниченными возможностями, страдающих различными патологиями, приводящими к частичному обездвижению, нарушению способности держать равновесие, для пациентов с мышечными атрофиями, контрактурами, сердечно-сосудистыми заболеваниями, полным или частичным отсутствием одной из нижних конечностей, ДЦП, спина бифида, а также страдающих непропорциональным весом по отношению к росту, другими заболеваниями. Представленный трехколесный терапевтический электровелосипед является как моторизованным средством перемещения, или средством, приводимым в движение мускульной силой ног пользователя без использования электродвигателя, так и смешанным, в котором электровелосипед помогает пользователю двигаться вперед, отталкиваясь ногами от земли, и тем самым позволяет, к примеру, не перегружать мышечную систему пользователя. Сущность изобретения выражается в совокупности существенных признаков, в которой трехколесный терапевтический электровелосипед обеспечивает моторизацию средства передвижения для людей с ограниченными возможностями, а также реабилитацию последним вестибулярного аппарата, опорно-двигательной системы

Advanced Search Techniques

01

Keyword Tricks

Wildcards, stemming, proximity operators

03

Classification Codes

IPC, CPC, JP classification

05

Chemical Search

Structure-based queries

02

Multilingual Search

Search across 10+ languages

04

Field Combinations

Target specific document sections

06

Combine All

Build sophisticated queries


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Full Text



Search terms...

image recognition



[Query Examples](#)

EN_ALLTXT:(image recognition)



1,328,975 results

Offices all

Languages en

Stemming true

Single Family Member false

Include NPL false



Sort: Relevance ▼ Per page: 10 ▼ View: All ▼

< 1 / 132,898 >

Machine translation ▼

1. **3751461** **IMAGE RECOGNITION METHOD, AND IMAGE PRESENTATION TIME ADJUSTMENT METHOD AND DEVICE**

EP - 16.12.2020

Int.Class G06K 9/62 ⓘ Appl.No 19760303 Applicant HUAWEI TECH CO LTD Inventor YANG HUI

Embodiments of this application provide an **image recognition** method and device, and an **image** presentation time adjustment method and device. The **image recognition** method includes: setting a presentation time sequence corresponding to an **image** sequence, where the **image** sequence includes N **images**, the presentation time sequence includes at least two unequal presentation times, a difference between any two presentation times of the at least two unequal presentation times is $k \times \Delta$, k is a positive integer, and Δ is a preset time period value; processing the **image** sequence by using a computer vision algorithm, to obtain a computer vision signal corresponding to each **image** in the **image** sequence; obtaining a feedback signal that is corresponding to each **image** in the **image** sequence and that is generated when an observation object watches the **image** sequence displayed in the presentation time sequence; and fusing, for each **image** in the **image** sequence, a corresponding computer vision signal and a corresponding feedback signal to obtain a target **recognition** signal of each **image** in the **image** sequence. Implementation of the embodiments of this application can reduce a miss detection rate of **image recognition**.

2. **20200401858** **IMAGE RECOGNITION VIA BRAIN-COMPUTER COLLABRATION WITH VARIABLE IMAGE PRESENTATION TIMES**

US - 24.12.2020

Int.Class G06F 3/01 ⓘ Appl.No 17007869 Applicant HUAWEI TECHNOLOGIES CO., LTD. Inventor Hui Yang

This application provides an **image recognition** method and device. The **image recognition** method includes: setting a presentation time sequence corresponding to an **image** sequence includes N **images**, the presentation time sequence includes unequal presentation times, a difference between any two presentation times of the unequal presentation times is $k \times \Delta$, k is a positive integer, and Δ is a preset time period value; processing the **image** sequence by using a computer vision algorithm, to obtain a computer vision signal corresponding to each **image** in the **image** sequence; obtaining a feedback signal that is corresponding to each **image** in the **image** sequence generated when an observation object watches the **image** sequence displayed in the presentation time sequence; and fusing, for each **image** in the **image** sequence, a corresponding computer vision signal and a corresponding feedback signal to obtain a target **recognition** signal of each **image** in the **image** sequence.

3. **20230245422** **IMAGE RECOGNITION APPARATUS, IMAGE RECOGNITION METHOD, AND A LEARNING DATA SET GENERATION APPARATUS**

US - 03.08.2023

Int.Class G06V 10/764 ⓘ Appl.No 17893792 Applicant DENSO TEN Limited Inventor Yasutaka Okada

In an **image recognition** apparatus, a processor performs, based on an input **image** and using an **image recognition** model, a plurality of object detection processes to detect as an object detection region a region in the input **image** where a **recognition** target object is judged to be present. In the plurality of object detection processes, a plurality of mutually different **image recognition** models are used. The processor generates inference result data according to the degree of overlap among a plurality of object detection regions detected in the plurality of object detection processes.

“ ”
...

EN_ALLTXT:("image recognition")



180,314 results Offices all Languages en Stemming true Single Family Member false Include NPL false



Sort: Relevance ▼ Per page: 10 ▼ View: All ▼

< 1 / 18,032 >

Machine translation ▼

1. **20200401858** **IMAGE RECOGNITION** VIA BRAIN-COMPUTER COLLABRATION WITH VARIABLE IMAGE PRESENTATION TIMES

US - 24.12.2020

Int.Class **G06F 3/01** (?) Appl.No 17007869 Applicant HUAWEI TECHNOLOGIES CO., LTD. Inventor Hui Yang

This application provides an **image recognition** method and device. The **image recognition** method includes: setting a presentation time sequence corresponding to an image sequence includes N images, the presentation time sequence includes unequal presentation times, a difference between any two presentation times of the unequal presentation times is $k \times \Delta$, k is a positive integer, and Δ is a preset time period value; processing the image sequence by using a computer vision algorithm, to obtain a computer vision signal corresponding to each image in the image sequence; obtaining a feedback signal that is corresponding to each image in the image sequence generated when an observation object watches the image sequence displayed in the presentation time sequence; and fusing, for each image in the image sequence, a corresponding computer vision signal and a corresponding feedback signal to obtain a target recognition signal of each image in the image sequence.

2. **3751461** **IMAGE RECOGNITION METHOD, AND IMAGE PRESENTATION TIME ADJUSTMENT METHOD AND DEVICE**

EP - 16.12.2020

Int.Class **G06K 9/62** (?) Appl.No 19760303 Applicant HUAWEI TECH CO LTD Inventor YANG HUI

Embodiments of this application provide an **image recognition** method and device, and an image presentation time adjustment method and device. The **image recognition** method includes: setting a presentation time sequence corresponding to an image sequence, where the image sequence includes N images, the presentation time sequence includes at least two unequal presentation times, a difference between any two presentation times of the at least two unequal presentation times is $k \times \Delta$, k is a positive integer, and Δ is a preset time period value; processing the image sequence by using a computer vision algorithm, to obtain a computer vision signal corresponding to each image in the image sequence; obtaining a feedback signal that is corresponding to each image in the image sequence and that is generated when an observation object watches the image sequence displayed in the presentation time sequence; and fusing, for each image in the image sequence, a corresponding computer vision signal and a corresponding feedback signal to obtain a target recognition signal of each image in the image sequence. Implementation of the embodiments of this application can reduce a miss detection rate of **image recognition**.

BEFORE

EN_ALLTXT:(image BEFORE recognition)

300,854 results Offices all Languages en Stemming true Single Family Member false Include NPL false



Sort: Relevance ▾ Per page: 10 ▾ View: All ▾

< 1 / 30,086 ▾ >

Machine translation ▾

1. **3751461** IMAGE RECOGNITION METHOD, AND IMAGE PRESENTATION TIME ADJUSTMENT METHOD AND DEVICE

EP - 16.12.2020

Int.Class G06K 9/62 ⓘ Appl.No 19760303 Applicant HUAWEI TECH CO LTD Inventor YANG HUI

Embodiments of this application provide an image recognition method and device, and an image presentation time adjustment method and device. The image recognition method includes: setting a presentation time sequence corresponding to an image sequence, where the image sequence includes N images, the presentation time sequence includes at least two unequal presentation times, a difference between any two presentation times of the at least two unequal presentation times is $k \times \Delta$, k is a positive integer, and Δ is a preset time period value; processing the image sequence by using a computer vision algorithm, to obtain a computer vision signal corresponding to each image in the image sequence; obtaining a feedback signal that is corresponding to each image in the image sequence and that is generated when an observation object watches the image sequence displayed in the presentation time sequence; and fusing, for each image in the image sequence, a corresponding computer vision signal and a corresponding feedback signal to obtain a target recognition signal of each image in the image sequence. Implementation of the embodiments of this application can reduce a miss detection rate of image recognition.

2. **20200401858** IMAGE RECOGNITION VIA BRAIN-COMPUTER COLLABRATION WITH VARIABLE IMAGE PRESENTATION TIMES

US - 24.12.2020

Int.Class G06F 3/01 ⓘ Appl.No 17007869 Applicant HUAWEI TECHNOLOGIES CO., LTD. Inventor Hui Yang

This application provides an image recognition method and device. The image recognition method includes: setting a presentation time sequence corresponding to an image sequence includes N images, the presentation time sequence includes unequal presentation times, a difference between any two presentation times of the unequal presentation times is $k \times \Delta$, k is a positive integer, and Δ is a preset time period value; processing the image sequence by using a computer vision algorithm, to obtain a computer vision signal corresponding to each image in the image sequence; obtaining a feedback signal that is corresponding to each image in the image sequence generated when an observation object watches the image sequence displayed in the presentation time sequence; and fusing, for each image in the image sequence, a corresponding computer vision signal and a corresponding feedback signal to obtain a target recognition signal of each image in the image sequence.

3. **20230245422** IMAGE RECOGNITION APPARATUS, IMAGE RECOGNITION METHOD, AND A LEARNING DATA SET GENERATION APPARATUS

US - 03.08.2023

BEFORE3

EN_ALLTXT:(image BEFORE3 recognition)

251,402 results Offices all Languages en Stemming true Single Family Member false Include NPL false



Sort: Relevance ▼ Per page: 10 ▼ View: All ▼

< 1 / 25,141 >

Machine translation ▼

1. **3751461** IMAGE RECOGNITION METHOD, AND IMAGE PRESENTATION TIME ADJUSTMENT METHOD AND DEVICE

EP - 16.12.2020

Int.Class G06K 9/62 ⓘ Appl.No 19760303 Applicant HUAWEI TECH CO LTD Inventor YANG HUI

Embodiments of this application provide an image recognition method and device, and an image presentation time adjustment method and device. The image recognition method includes: setting a presentation time sequence corresponding to an image sequence, where the image sequence includes N images, the presentation time sequence includes at least two unequal presentation times, a difference between any two presentation times of the at least two unequal presentation times is $k \times \Delta$, k is a positive integer, and Δ is a preset time period value; processing the image sequence by using a computer vision algorithm, to obtain a computer vision signal corresponding to each image in the image sequence; obtaining a feedback signal that is corresponding to each image in the image sequence and that is generated when an observation object watches the image sequence displayed in the presentation time sequence; and fusing, for each image in the image sequence, a corresponding computer vision signal and a corresponding feedback signal to obtain a target recognition signal of each image in the image sequence. Implementation of the embodiments of this application can reduce a miss detection rate of image recognition.

2. **20200401858** IMAGE RECOGNITION VIA BRAIN-COMPUTER COLLABRATION WITH VARIABLE IMAGE PRESENTATION TIMES

US - 24.12.2020

Int.Class G06F 3/01 ⓘ Appl.No 17007869 Applicant HUAWEI TECHNOLOGIES CO., LTD. Inventor Hui Yang

This application provides an image recognition method and device. The image recognition method includes: setting a presentation time sequence corresponding to an image sequence includes N images, the presentation time sequence includes unequal presentation times, a difference between any two presentation times of the unequal presentation times is $k \times \Delta$, k is a positive integer, and Δ is a preset time period value; processing the image sequence by using a computer vision algorithm, to obtain a computer vision signal corresponding to each image in the image sequence; obtaining a feedback signal that is corresponding to each image in the image sequence generated when an observation object watches the image sequence displayed in the presentation time sequence; and fusing, for each image in the image sequence, a corresponding computer vision signal and a corresponding feedback signal to obtain a target recognition signal of each image in the image sequence.

3. **20230245422** IMAGE RECOGNITION APPARATUS, IMAGE RECOGNITION METHOD, AND A LEARNING DATA SET GENERATION APPARATUS

US - 03.08.2023

Int.Class G06V 10/764 ⓘ Appl.No 17893792 Applicant DENSO TEN Limited Inventor Yasutaka Okada

In an image recognition apparatus, a processor performs, based on an input image and using an image recognition model, a plurality of object detection processes to detect as an object detection region a region in the input image where a recognition target object is judged to be present. In the plurality of object detection processes, a plurality of mutually different image recognition models are used. The processor generates inference result data according to the degree of overlap among a plurality of object detection regions detected in the plurality of object detection processes.

NEAR

EN_ALLTXT:(image NEAR recognition)

365,641 results Offices all Languages en Stemming true Single Family Member false Include NPL false



Sort: Relevance ▾ Per page: 10 ▾ View: All ▾

< 1 / 36,565 ▾ >

Machine translation ▾

1. **3751461** **IMAGE RECOGNITION** METHOD, AND **IMAGE** PRESENTATION TIME ADJUSTMENT METHOD AND DEVICE

EP - 16.12.2020

Int.Class **G06K 9/62** Appl.No 19760303 Applicant HUAWEI TECH CO LTD Inventor YANG HUI

Embodiments of this application provide an **image recognition** method and device, and an **image** presentation time adjustment method and device. The **image recognition** method includes: setting a presentation time sequence corresponding to an image sequence, where the image sequence includes N images, the presentation time sequence includes at least two unequal presentation times, a difference between any two presentation times of the at least two unequal presentation times is $k \times \Delta$, k is a positive integer, and Δ is a preset time period value; processing the image sequence by using a computer vision algorithm, to obtain a computer vision signal corresponding to each image in the image sequence; obtaining a feedback signal that is corresponding to each image in the image sequence and that is generated when an observation object watches the image sequence displayed in the presentation time sequence; and fusing, for each image in the image sequence, a corresponding computer vision signal and a corresponding feedback signal to obtain a target **recognition** signal of each **image** in the image sequence. Implementation of the embodiments of this application can reduce a miss detection rate of **image recognition**.

2. **20200401858** **IMAGE RECOGNITION** VIA BRAIN-COMPUTER COLLABRATION WITH VARIABLE IMAGE PRESENTATION TIMES

US - 24.12.2020

Int.Class **G06F 3/01** Appl.No 17007869 Applicant HUAWEI TECHNOLOGIES CO., LTD. Inventor Hui Yang

This application provides an **image recognition** method and device. The **image recognition** method includes: setting a presentation time sequence corresponding to an image sequence includes N images, the presentation time sequence includes unequal presentation times, a difference between any two presentation times of the unequal presentation times is $k \times \Delta$, k is a positive integer, and Δ is a preset time period value; processing the image sequence by using a computer vision algorithm, to obtain a computer vision signal corresponding to each image in the image sequence; obtaining a feedback signal that is corresponding to each image in the image sequence generated when an observation object watches the image sequence displayed in the presentation time sequence; and fusing, for each image in the image sequence, a corresponding computer vision signal and a corresponding feedback signal to obtain a target **recognition** signal of each **image** in the image sequence.

3. **20230245422** **IMAGE RECOGNITION** APPARATUS, **IMAGE RECOGNITION** METHOD, AND A LEARNING DATA SET GENERATION APPARATUS

US - 03.08.2023

Int.Class **G06V 10/764** Appl.No 17893792 Applicant DENSO TEN Limited Inventor Yasutaka Okada

In an **image recognition** apparatus, a processor performs, based on an input **image** and using an **image recognition** model, a plurality of object detection processes to detect as an object detection region a region in the input **image** where a

NEAR7

EN_ALLTXT:(image NEAR7 recognition)

406,317 results Offices all Languages en Stemming true Single Family Member false Include NPL false



Sort: Relevance ▼ Per page: 10 ▼ View: All ▼

< 1 / 40,632 >

Machine translation ▼

1. **3751461** **IMAGE RECOGNITION** METHOD, AND **IMAGE** PRESENTATION TIME ADJUSTMENT METHOD AND DEVICE

EP - 16.12.2020

Int.Class **G06K 9/62** ? Appl.No 19760303 Applicant HUAWEI TECH CO LTD Inventor YANG HUI

Embodiments of this application provide an **image recognition** method and device, and an **image** presentation time adjustment method and device. The **image recognition** method includes: setting a presentation time sequence corresponding to an image sequence, where the image sequence includes N images, the presentation time sequence includes at least two unequal presentation times, a difference between any two presentation times of the at least two unequal presentation times is $k \times \Delta$, k is a positive integer, and Δ is a preset time period value; processing the image sequence by using a computer vision algorithm, to obtain a computer vision signal corresponding to each image in the image sequence; obtaining a feedback signal that is corresponding to each image in the image sequence and that is generated when an observation object watches the image sequence displayed in the presentation time sequence; and fusing, for each image in the image sequence, a corresponding computer vision signal and a corresponding feedback signal to obtain a target **recognition** signal of each **image** in the image sequence. Implementation of the embodiments of this application can reduce a miss detection rate of **image recognition**.

2. **20200401858** **IMAGE RECOGNITION** VIA BRAIN-COMPUTER COLLABRATION WITH VARIABLE **IMAGE** PRESENTATION TIMES

US - 24.12.2020

Int.Class **G06F 3/01** ? Appl.No 17007869 Applicant HUAWEI TECHNOLOGIES CO., LTD. Inventor Hui Yang

This application provides an **image recognition** method and device. The **image recognition** method includes: setting a presentation time sequence corresponding to an image sequence includes N images, the presentation time sequence includes unequal presentation times, a difference between any two presentation times of the unequal presentation times is $k \times \Delta$, k is a positive integer, and Δ is a preset time period value; processing the image sequence by using a computer vision algorithm, to obtain a computer vision signal corresponding to each image in the image sequence; obtaining a feedback signal that is corresponding to each image in the image sequence generated when an observation object watches the image sequence displayed in the presentation time sequence; and fusing, for each image in the image sequence, a corresponding computer vision signal and a corresponding feedback signal to obtain a target **recognition** signal of each **image** in the image sequence.

3. **20230245422** **IMAGE RECOGNITION** APPARATUS, **IMAGE RECOGNITION** METHOD, AND A LEARNING DATA SET GENERATION APPARATUS

US - 03.08.2023

Int.Class **G06V 10/764** ? Appl.No 17893792 Applicant DENSO TEN Limited Inventor Yasutaka Okada

In an **image recognition** apparatus, a processor performs, based on an input **image** and using an **image recognition** model, a plurality of object detection processes to detect, as an object detection region, a region in the input **image** where a


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Field		Search terms...	
Full Text	▼	((image OR pattern) AND recognition) OR ((computer OR machine) AND vision) OR (image NEAR2 (analysis OR proc	
			Query Examples

Offices	
All	▼

AND + OR + (...)

EN_ALLTXT:(((image OR pattern) AND recognition) OR ((computer OR machine) AND vision) OR (image NEAR2 (analysis OR process OR identification)))

3,321,259 results Offices all Languages en Stemming true Single Family Member false Include NPL false

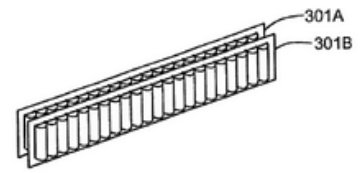


Sort: Relevance ▾ Per page: 100 ▾ View: All+Image ▾ 1 / 33,213 ▾ Download ▾ Machine translation ▾

1. **20030071123** METHOD OF SPECKLE-NOISE **PATTERN** REDUCTION AND APPARATUS THEREFOR BASED ON REDUCING THE TEMPORAL COHERENCE OF THE PLANAR LASER ILLUMINATION BEAM BEFORE IT ILLUMINATES THE TARGET OBJECT BY APPLYING TEMPORAL INTENSITY MODULATION TECHNIQUES DURING THE TRANSMISSION OF THE PLIB TOWARDS THE TARGET US - 17.04.2003

Int.Class **G06K 7/10** Appl.No 10136182 Applicant Metrologic Instruments, Inc. Inventor Tsikos Constantine J.

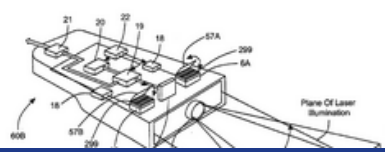
A planar laser illumination and **imaging** (PLIIM) based camera system capable of producing digital **images** with reduced levels of speckle-**pattern** noise. The PLIIM based camera system comprises a planar laser illumination array (PLIA) including a plurality of laser diodes for producing and projecting a planar laser illumination beam (PLIB), so as to illuminate an object as it is moving past said PLIIM based camera system. An **image** formation and detection (IFD) module is provided having a **image** detection array and **imaging** forming optics for providing said **image** detection array with a field of view (FOV). The PLIB and FOV are arranged in a coplanar relationship along the working range of the camera system so that the PLIB illuminates primarily within the FOV of the IFD module. A speckle-**pattern** noise reduction subsystem is integrated with the PLIA, for reducing the temporal-coherence of the PLIB before the PLIB illuminates a target object.



2. **20030102379** LED-BASED PLANAR LIGHT ILLUMINATION AND **IMAGING** (PLIIM) ENGINE US - 05.06.2003

Int.Class **G06K 7/10** Appl.No 10187473 Applicant Metrologic Instruments, Inc. Inventor Tsikos Constantine J.

A LED-based planar light illumination and **imaging** (PLIIM) engine for use in a hand-supportable linear **imager** adapted for manual movement relative to an object to be illuminated and **imaged**. The LED-based PLIIM engine comprises an engine housing having a light transmission aperture, and a linear **image** formation and detection (IFD) module having a linear **image** detection array with **image** detection elements and **image** formation optics having a field of view (FOV) projected through the light



EN_ALLTXT:(((image OR pattern) AND recognition) OR ((computer OR machine) AND vision) OR (image NEAR2 (analysis OR process OR identification)))

Question: Which keywords go together?

EN_ALLTXT:(((image OR pattern) AND recognition) OR ((computer OR machine) AND vision) OR (image NEAR2 (analysis OR process OR identification)))

(...) so that all keywords are searched in the EN_ALLTXT field

(...) keywords linked with the OR operator

(...) to link the OR with the AND/NEAR

EN_ALLTXT:(((image OR pattern) AND recognition) OR ((computer OR machine) AND vision) OR (image NEAR2 (analysis OR process OR identification))) ANDNOT



2,033,555

results

Offices all

Languages en

Stemming true

Single Family Member false

Include NPL false



Full Query

AND + OR
+AND/NOT

Close

Edit

EN_ALLTXT:(((image OR pattern) AND recognition) OR ((computer OR machine) AND vision) OR (image NEAR2 (analysis OR process OR identification))) ANDNOT (medical OR diagnostic OR x-ray OR MRI OR ultrasound OR radiology)

Sort: Relevance ▼ Per page: 100 ▼ View: All+Image ▼

< 1 / 20,336 >

Download ▼

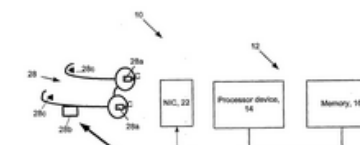
Machine translation ▼

1. WO/2005/096760 PORTABLE READING DEVICE WITH MODE PROCESSING

WO - 20.10.2005

Int.Class G09G 5/02 ⓘ Appl.No PCT/US2005/011180 Applicant KURZWEIL TECHNOLOGIES, INC. Inventor KURZWEIL, Raymond, C.

A reading device includes a **computing** device and an **image** input device coupled to the **computing** device for capturing low-resolution **images** and high-resolution **images** [see Figure 1]. The reading **machine** includes a **computer** program product residing on a **computer** readable medium. The medium is in communication with the **computing** device and includes instructions to operate in a plurality of modes to optimize performance for specific uses of the reading device and process low and high



EN_ALLTXT:(((image OR pattern) AND recognition) OR (computer OR machine) AND vision) OR (image NEAR2 (analysis OR process OR identification))) ANDNOT



2,033,555 results

Offices all

Languages en

Stemming true

Single Family Member false

Include NPL false



Full Query

Close

Edit

EN_ALLTXT:(((image OR pattern) AND recognition) OR ((computer OR machine) AND vision) OR (image NEAR2 (analysis OR process OR identification))) ANDNOT (medical OR diagnostic OR x-ray OR MRI OR ultrasound OR radiology)

Sort: Relevance ▼ Per page: 100 ▼ View: All+Image ▼

< 1 / 20,336 >

Download ▼

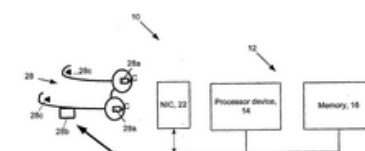
Machine translation ▼

1. WO/2005/096760 PORTABLE READING DEVICE WITH MODE PROCESSING

WO - 20.10.2005

Int.Class G09G 5/02 ⓘ Appl.No PCT/US2005/011180 Applicant KURZWEIL TECHNOLOGIES, INC. Inventor KURZWEIL, Raymond, C.

A reading device includes a **computing** device and an **image** input device coupled to the **computing** device for capturing low-resolution **images** and high-resolution **images** [see Figure 1]. The reading **machine** includes a **computer** program product residing on a **computer** readable medium. The medium is in communication with the **computing** device and includes instructions to operate in a plurality of modes to optimize performance for specific uses of the reading device and process low and high



WILDCARD VS STEMMING

This page shows the different result a wildcard matches as opposed to using the stemming option

Enter a word

▼

Compare to

Stemming	Wildcard *
No records found.	No records found.

Enter a word

hearing

Compare to

hear

Stemming hearing	Wildcard hear*
hearing	hear
hear	hearability
hears	heard
	hearing
	hearnshaw
	hears
	hearse
	hearses

HELP

HOW TO SEARCH

- [User's Guide](#)
- [Query Syntax](#)
- [Fields Definition](#)
- [IPC/CPC classification fields](#)
- [Wildcard vs Stemming](#)
- [Tutorials](#)
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- [Practical exercises](#)
- [Webinars](#)

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Weighting factor

EN_AB:(hearing AND aid)


1. **20190261102** REMOTELY UPDATING A HEARING AID PROFILE

Int.Class H04R 25/00  Appl.No 16398589 Applicant Apple Inc. Inventor Edwin W. Foo

2. **20210385590** REMOTELY UPDATING A HEARING AID PROFILE

Int.Class H04R 25/00  Appl.No 17404744 Applicant Apple Inc. Inventor Edwin W. Foo

3. **20120183165** REMOTELY UPDATING A HEARING AND PROFILE


Int.Class H04R 25/00  Appl.No 13009751 Applicant Edwin W. Foo Inventor Edwin W. Foo

4. **2012004857** DICHOTIC HEARING AID

Int.Class H04R 25/00  Appl.No 2010137959 Applicant パナソニック株式会社 Inventor 高橋 雄三

EN_AB:(hearing  AND aid)


1. **2012004857** DICHOTIC HEARING AID

Int.Class H04R 25/00  Appl.No 2010137959 Applicant パナソニック株式会社 Inventor 高橋 雄三

2. **20210385590** REMOTELY UPDATING A HEARING AID PROFILE

Int.Class H04R 25/00  Appl.No 17404744 Applicant Apple Inc. Inventor Edwin W. Foo

3. **WO/2013/033872** PORTABLE INTEGRATED SYSTEM FOR HEARING TEST AND HEARING-AID FITTING

Int.Class A61B 5/12  Appl.No PCT/CN2011/001609 Applicant JIANGSU BETTERLIFE MEDICAL CO., LTD Inventor ZHAO, Yong David

4. **WO/2016/159739** HEARING AID ALLOWING SELF-HEARING TEST AND FITTING, AND SELF-HEARING TEST AND FITTING SYSTEM USING SAME

Int.Class H04R 25/00  Appl.No PCT/KR2016/003462 Applicant THE YEOLRIM CO.,LTD. Inventor YO0, Jung Gee

Can AI help?



andrine Ammann

act as a patent attorney specialized in patent searches and help me build a query in PATENTSCOPE to retrieve patent documents about image recognition> make the query as complete as possible to cover potential synonyms used by the applicant/inventor, and make the query as specific as possible



AI Assistant (confidential data)

Thoughts

As a patent attorney specialized in patent searches, here's a comprehensive PATENTSCOPE query for image recognition:

COMPREHENSIVE IMAGE RECOGNITION QUERY

BASIC VERSION (Good Coverage):

scss Copy code

```
(image OR picture OR visual OR photo*) AND (recognition OR identification OR detection OR classif* OR anal
```

ADVANCED VERSION (Maximum Coverage with Synonyms):

scss Copy code

```
((image* OR picture* OR visual* OR photo* OR scene* OR video OR frame*)  
AND  
(recogni?e OR recogni?ing OR recognition OR identif* OR detect* OR classif* OR analysis OR analys* OR prod  
AND  
(computer OR digital* OR automated OR automatic OR machine OR artificial OR neural OR deep OR algorithm* C
```



EXPERT VERSION (Field-Specific + Classification Codes):

Message AI Assistant (confidential data)

COMPLETE EXPERT QUERY (RECOMMENDED):

For Comprehensive Image Recognition Search:

ruby

 Copy code

```
(
  EN_TI:((image* OR picture* OR visual* OR photo*)
    AND (recogni* OR identif* OR detect* OR classif*))

  OR

  EN_AB:((image* OR picture* OR visual* OR photo* OR scene* OR video)
    AND (recogni* OR identif* OR detect* OR classif* OR analysis OR understanding)
    AND (computer* OR digital OR automated OR machine OR artificial OR neural OR deep OR algorithm* OR))

  OR

  EN_CL:((image* OR picture* OR visual*)
    AND (recogni* OR identif* OR detect* OR classif*)
    AND (method OR system OR apparatus OR device OR processor))
)

AND

(IPC:(G06K9* OR G06V* OR G06T7*) OR IPC:G06N3* OR IPC:G06N20*)
```

PATENTSCOPE Advanced Search

✓
(
EN_TI:((image* OR picture* OR visual* OR photo*)
AND (recogni* OR identif* OR detect* OR classif*))

OR

EN_AB:((image* OR picture* OR visual* OR photo* OR scene* OR video)
AND (recogni* OR identif* OR detect* OR classif* OR analysis OR understanding)
AND (computer* OR digital OR automated OR machine OR artificial OR neural OR deep OR algorithm* OR AI OR software))

OR

EN_CL:((image* OR picture* OR visual*)
AND (recogni* OR identif* OR detect* OR classif*)
AND (method OR system OR apparatus OR device OR processor))
)

AND

(IPC:(G06K9* OR G06V* OR G06T7*) OR IPC:G06N3* OR IPC:G06N20*)|

☒ Query Assistant [Query Examples](#)

PATENTSCOPE Advanced Search

```
(
  EN_TI:((image* OR picture* OR visual* OR photo*)
    AND (recogni* OR identif* OR detect* OR classif*))

  OR

  EN_AB:((image* OR picture* OR visual* OR photo* OR scene* OR video)
    AND (recogni* OR identif* OR detect* OR classif* OR analysis OR understanding)
    AND (computer* OR digital OR automated OR machine OR artificial OR neural OR deep OR algorithm* OR AI OR software))

  OR

  EN_CL:((image* OR picture* OR visual*)
    AND (recogni* OR identif* OR detect* OR classif*)
    AND (method OR system OR apparatus OR device OR processor))
)

AND

(IPC:(G06K9* OR G06V* OR G06T7*) OR IPC:G06N3* OR IPC:G06N20*)
```

A maximum of 10 wildcards are allowed in field 'EN_AB' [Query Syntax](#)

☒ Query Assistant [Query Examples](#)

PATENTSCOPE Advanced Search

```
(
  EN_TI:((image OR picture OR visual OR photo)
    AND (recogni* OR identif* OR detect* OR classif*))

OR

  EN_AB:((image OR picture OR visual OR photo OR scene OR video)
    AND (recogni* OR identif* OR detect* OR classif* OR analysis OR understanding)
    AND (computer OR digital OR automated OR machine OR artificial OR neural OR deep OR algorithm OR AI OR software))

OR

  EN_CL:((image OR picture OR visual)
    AND (recogni* OR identif* OR detect* OR classif)
    AND (method OR system OR apparatus OR device OR processor))
)

AND

(IPC:(G06K9 OR G06V OR G06T7*) OR IPC:G06N3 OR IPC:G06N20)
```

Unknown field: IPC [Fields Definition](#)

☒ Query Assistant [Query Examples](#)

(EN_TI:((image OR picture OR visual OR photo) AND (recogni* OR identif* OR detect* OR classif*)) OR EN_AB:((image OR picture OR visual OR photo OR scene OR video) AND (recogn



455,632 results Offices all Languages en Stemming true Single Family Member false Include NPL false



Full Query

Close

Edit

(EN_TI:((image OR picture OR visual OR photo) AND (recogni* OR identif* OR detect* OR classif*)) OR EN_AB:((image OR picture OR visual OR photo OR scene OR video) AND (recogni* OR identif* OR detect* OR classif* OR analysis OR understanding) AND (computer OR digital OR automated OR machine OR artificial OR neural OR deep OR algorithm OR AI OR software)) OR EN_CL:((image OR picture OR visual) AND (recogni* OR identif* OR detect* OR classif) AND (method OR system OR apparatus OR device OR processor))) AND (IC:(G06K9 OR G06V OR G06T7*) OR IC:G06N3 OR IC:G06N20)


Sort: Relevance ▼ Per page: 10 ▼ View: All ▼

< 1 / 45,564 ▼ >

Machine translation ▼

1. **20210287059** ELECTRONIC DEVICE FOR RECOGNIZING VISUAL STIMULUS BASED ON SPONTANEOUS SELECTIVE NEURAL RESPONSE OF DEEP ARTIFICIAL NEURAL NETWORK AND OPERATING METHOD THEREOF

US - 16.09.2021

Int.Class G06V 30/194  Appl.No 17000887 Applicant Korea Advanced Institute Of Science And Technology Inventor Se-Bum Paik

Various example embodiments relate to an electronic device for recognizing visual stimulus based on spontaneous selective neural response of deep artificial neural network and an operating method thereof, and may configured to measure a response of an untrained randomly-initialized neural network for an input image, and recognize at least one visual stimulus from the input image, based on the measured response.

Advanced Search Techniques

01

Keyword Tricks

Wildcards, stemming, proximity operators

03

Classification Codes

IPC, CPC, JP classification

05

Chemical Search

Structure-based queries

02

Multilingual Search

Search across 10+ languages

04

Field Combinations

Target specific document sections

06

Combine All

Build sophisticated queries

PATENTSCOPE Cross Lingual Expansion

Search terms... *

image recognition

Query Language"

English

The language of your query

Expansion Mode:

☒ Automatic

☐ Supervised

Use the **Supervised** mode to select the technical domains, the relevant variants, the languages to translate your query to and the fields to search by

Precision level

High

Influences the precision of the suggested variants.

Highest level considers only the most relevant ones [less suggested variants]

Lowest level considers the less relevant as well [more suggested variants]

Search

EN_AB:("image recognition" OR "recognizing an image" OR "subpicture recognition"~21 OR "home pictures recognition"~21) OR FR_AB:("reconnaissance d'image" OR "reconnaitre une image") OR DE_A



70,705 results Offices all Languages en Stemming true Single Family Member false Include NPL false



Full Query

Close

Edit

EN_AB:("image recognition" OR "recognizing an image" OR "subpicture recognition"~21 OR "home pictures recognition"~21) OR FR_AB:("reconnaissance d'image" OR "reconnaitre une image") OR DE_AB:("bilderkennungs" OR "Bildwiederkennungs" OR "Bilderkennungs") OR ES_AB:("reconocimiento imagen"~22 OR "reconocimiento imágenes"~22 OR "reconocimiento de imagen") OR PT_AB:("reconhecimento imagem"~22 OR "reconhecimento imagens"~22 OR "reconhecimento de imagem") OR JA_AB:("画像認識" OR "イメージ認識") OR RU_AB:("распознавания образов" OR "распознавания изображений" OR "распознании образов" OR "распознавать изображение и" OR "распознавать изображение") OR ZH_AB:("图像识别" OR "影像辨识" OR "用于影像辨识" OR "改善影像识别") OR KO_AB:("영상인식" OR "영상 인식" OR "화상인식" OR "화상 인식" OR "이미지 인식" OR "영상인식을 통한") OR IT_AB:("immagine riconoscimento"~22 OR "riconoscimento di immagini") OR SV_AB:("bild igenkänning"~22 OR "bild trådlöst"~22 OR "bild mönsterigenkänning"~22) OR NL_AB:("beeldherkenning") OR PL_AB:("obrazu rozpoznawania mowy"~22 OR "obrazu terenu"~22 OR "obrazu rozpoznawania twarzy"~22) OR DA_AB:("billede genkendelse"~22 OR "billede luft"~22 OR "billede detektering"~22 OR "billede erkendelse"~22)

Sort: Relevance ▼ Per page: 10 ▼ View: All ▼

< 1 / 7,071 >

Machine translation ▼

1. WO/2016/104831 REAL-TIME IMAGE RECOGNITION METHOD IN LOW SPECIFICATION IMAGE DEVICE

WO - 30.06.2016

Int.Class G06T 7/20 ⓘ Appl.No PCT/KR2014/012832 Applicant KOREA ELECTRONICS TECHNOLOGY INSTITUTE Inventor YOON, Ju Hong

A real-time image recognition method in a low specification image device is provided. An image recognition method according to an embodiment of the present invention detects an object of interest in an image at a first cycle and tracks the object of interest in the image at a second cycle, wherein the first cycle is longer than the second cycle. Therefore, it is possible to recognize an image in real time even in a low specification embedded environment by adaptively configuring the number of times of operations of a detector and a tracker.

2. WO/2021/159633 METHOD AND SYSTEM FOR TRAINING IMAGE RECOGNITION MODEL, AND IMAGE RECOGNITION METHOD

WO - 19.08.2021

Int.Class G06K 9/62 ⓘ Appl.No PCT/CN2020/093033 Applicant PING AN TECHNOLOGY (SHENZHEN) CO., LTD. Inventor ZHU, Yumeng

Provided is an image recognition method. The method comprises: creating a training set and a validation set for image recognition based on an RGB data format; training an RGB image recognition model by using the training set and the validation set;

EN_AB:("image recognition" OR "recognizing an image" OR "subpicture recognition"~21 OR "home pictures recognition"~21) OR FR_AB:("reconnaissance d'image" OR "reconnaitre une image") OR DE_A



70,705 results Offices all Languages en Stemming true Single Family Member false Include NPL false



Full Query

Close

Edit

EN_AB:("image recognition" OR "recognizing an image" OR "subpicture recognition"~21 OR "home pictures recognition"~21) OR FR_AB:("reconnaissance d'image" OR "reconnaitre une image") OR DE_AB:("bilderkennungs" OR "Bildwiederkennungs" OR "Bilderkennungs") OR ES_AB:("reconocimiento imagen"~22 OR "reconocimiento imágenes"~22 OR "reconocimiento de imagen") OR PT_AB:("reconhecimento imagem"~22 OR "reconhecimento imagens"~22 OR "reconhecimento de imagem") OR JA_AB:("画像認識" OR "イメージ認識") OR RU_AB:("распознавания образов" OR "распознавания изображений" OR "распознании образов" OR "распознавать изображение и" OR "распознавать изображение") OR ZH_AB:("图像识别" OR "影像辨识" OR "用于影像辨识" OR "改善影像识别") OR KO_AB:("영상인식" OR "영상 인식" OR "화상인식" OR "화상 인식" OR "이미지 인식" OR "영상인식을 통한") OR IT_AB:("immagine riconoscimento"~22 OR "riconoscimento di immagini") OR SV_AB:("bild igenkänning"~22 OR "bild trådlöst"~22 OR "bild mönsterigenkänning"~22) OR NL_AB:("beeldherkenning") OR PL_AB:("obrazu rozpoznawania mowy"~22 OR "obrazu terenu"~22 OR "obrazu rozpoznawania twarzy"~22) OR DA_AB:("billede genkendelse"~22 OR "billede luft"~22 OR "billede detektering"~22 OR "billede erkendelse"~22)

Sort: Relevance ▼ Per page: 10 ▼ View: All ▼

< 1 / 7,071 >

Machine translation ▼

1. WO/2016/104831 REAL-TIME IMAGE RECOGNITION METHOD IN LOW SPECIFICATION IMAGE DEVICE

WO - 30.06.2016

Int.Class G06T 7/20 ⓘ Appl.No PCT/KR2014/012832 Applicant KOREA ELECTRONICS TECHNOLOGY INSTITUTE Inventor YOON, Ju Hong

A real-time **image recognition** method in a low specification image device is provided. An **image recognition** method according to an embodiment of the present invention detects an object of interest in an image at a first cycle and tracks the object of interest in the image at a second cycle, wherein the first cycle is longer than the second cycle. Therefore, it is possible to **recognize an image** in real time even in a low specification embedded environment by adaptively configuring the number of times of operations of a detector and a tracker.

2. WO/2021/159633 METHOD AND SYSTEM FOR TRAINING IMAGE RECOGNITION MODEL, AND IMAGE RECOGNITION METHOD

WO - 19.08.2021

Int.Class G06K 9/62 ⓘ Appl.No PCT/CN2020/093033 Applicant PING AN TECHNOLOGY (SHENZHEN) CO., LTD. Inventor ZHU, Yumeng

Provided is an **image recognition** method. The method comprises: creating a training set and a validation set for **image recognition** based on an RGB data format; training an RGB **image recognition** model by using the training set and the validation set;

image recognition

🔍

Search options | Reset

100 HITS for image recognition [Filters](#)

Source language AllTarget language AllSubject field All

▶ Terms [image recognition](#) [DATA], [line scan imager](#) [ELEC], [image capture](#) [DATA], [X-ray image](#) [MEDI], [thumbnail image](#) [DATA]...

DATA / Artificial intelligence [Show full record](#)

▶	AR > تعرف على صورة	Reliability 3 / 4	...
▶	تمليز صورة >	Reliability 3 / 4	...
▶	EN > image recognition	Reliability 3 / 4	...
▶	ES > reconocimiento de imagen	Reliability 3 / 4	...
▶	JA > 画像認識(えがさるに/しき)	Reliability 3 / 4	...

AR DE EN ES FR JA KO PT RU ZH

All subject fields

From

image recognition

To

automatic license plate recognition **DATA / Artificial intelligence**

bitmap image **DATA / Computer graphics**

computer-generated imagery **DATA / Computer graphics**

diffraction image **SCIE / Optics**

digital image **DATA / Computer graphics**

distributed speech recognition **DATA / Artificial intelligence**

edge image **DATA / Display technology**

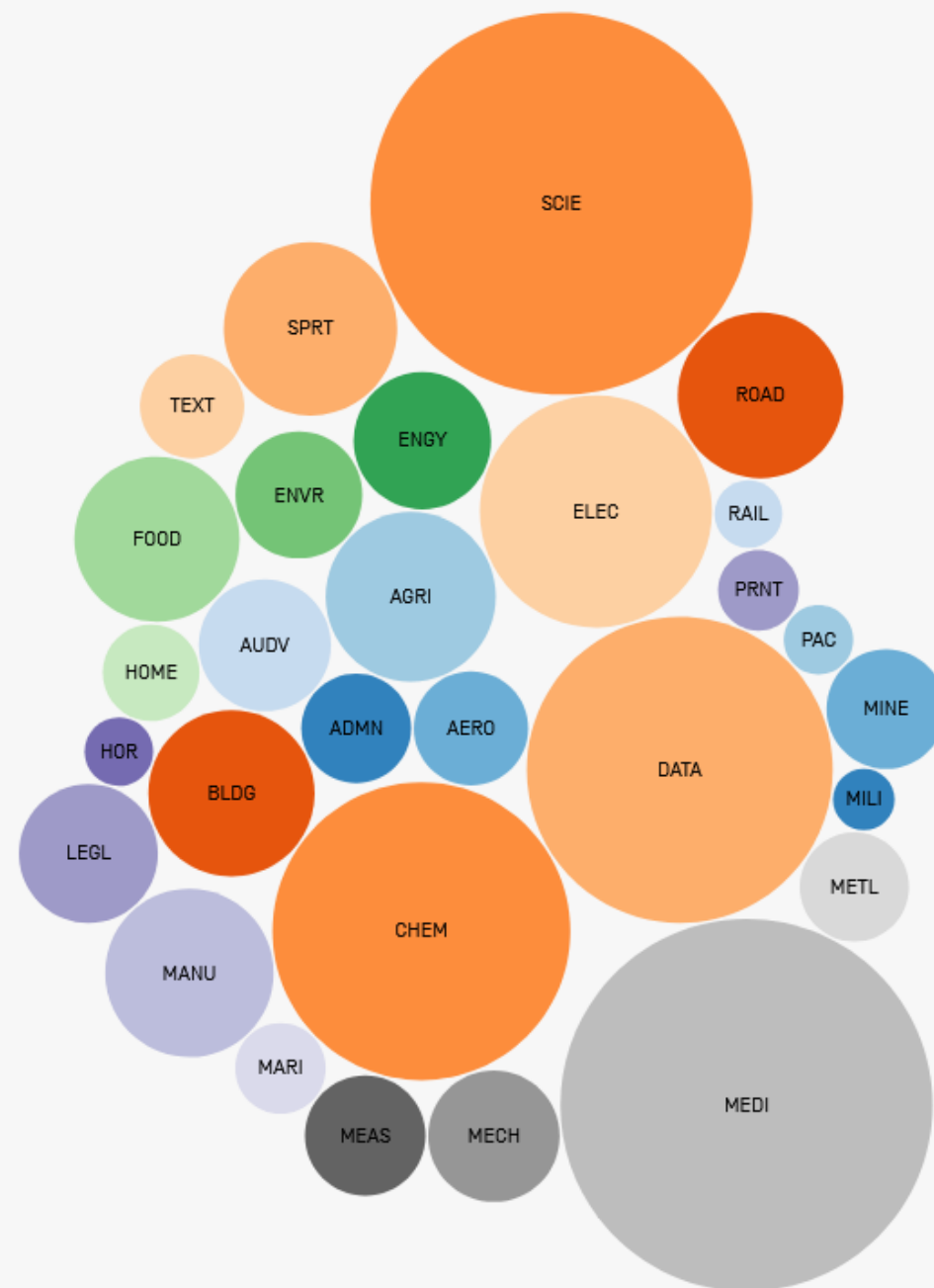


image recognition

Q

[Search options](#) | [Reset](#)

100 HITS for image recognition [Filters](#)

Source language All

Target language All

Subject field All

▶ Terms [image recognition](#) [DATA], [line scan imager](#) [ELEC], [image capture](#) [DATA], [X-ray image](#) [MED], [thumbnail image](#) [DATA]...

DATA / Artificial intelligence [Show full record](#)

▶	AR > تعرف على صورة	Reliability 3 / 4	...
▶	تمثيل صورة >	Reliability 3 / 4	...
▶	EN > image recognition	Reliability 3 / 4	...
▶	ES > reconocimiento de imagen	Reliability 3 / 4	...
▶	JA > 画像認識(えがさくにん)	Reliability 3 / 4	...

DATA / Artificial intelligence [Show full record](#)

▶	AR › تعرف على صورة	Reliability 3 / 4	...		
▶	تمليز صورة ›	Reliability 3 / 4	...		
▶	EN › image recognition	Reliability 3 / 4	...		
▶	ES › reconocimiento de imagen	Reliability 3 / 4	Find in PATENTSCOPE	Find images	Show concept map
▶	JA › 画像認識[がぞうにんしき]	Reliability 3 / 4	...		
▶	KO › 영상인식	Reliability 3 / 4	...		
▶	› 화상 인식	Reliability 3 / 4	...		

ES_ALLTXT:"reconocimiento de imagen"



495 results

Offices all

Languages es

Stemming true

Single Family Member false

Include NPL false



Sort: Relevance ▼ Per page: 100 ▼ View: All+Image ▼

< 1 / 5 >

Machine translation ▼

WIPO Translate ▶

KR - 11.11.2021

의 케이블 지지대(1)에
해 케이블로 지지대의

KR - 19.03.2020

전송되며, 동시에 케이

KR - 04.12.2019

고 원치케이블이 풀림

1. **2863246** RECONOCIMIENTO DE IMAGEN DE OBJETO Y RESPUESTA ACTIVA INSTANTÁNEA CON APLICACIÓN Y UT

Int.Class G06T 7/00 ⓘ Appl.No 17796838 Applicant Fryshman, Bernard Inventor Fryshman, Bernard

Un dispositivo para detectar objetos de planta, que comprende: una plataforma movable; un dispositivo de captura de imágenes disp sistema de **reconocimiento de imagen** en comunicación con el dispositivo de captura de imágenes, estando entrenado el sistema [15] reconocer una característica de una planta que está adaptada para recibir polen; un reservorio de almacenamiento que almacena 서한 acción adaptado para dispersar polen; software configurado para detectar una presencia de una planta que está adaptada para 위치 cabezal de acción disperse polen en la proximidad de dicha planta.

2. **2770590** APARATO PARA PROPORCIONAR UNA SEÑAL DE AUDIO PARA REPRODUCCIÓN MEDIANTE UN TRANSDUCID
PROGRAMA INFORMÁTICO

Int.Class H04R 3/04 ⓘ Appl.No 13716211 Applicant Fraunhofer Gesellschaft zur Förderung der angewandten Forschung e.

Aparato [100] para el procesamiento de una señal [122] de audio para reproducción mediante un transductor [130] de sonic determinador [110] de parámetros de ecualización para determinar un conjunto [112] de parámetros de ecualización; y un e ecualizar una señal [122] de audio de entrada, para obtener una señal [124] de audio ecualizada; en el que el determinador de pará una unidad [110a] de identificación del transductor de sonido configurada para identificar un transductor de sonido utilizando **recon** de selección de parámetros configurada para seleccionar un conjunto [112] de parámetros de ecualización en función del resultado 출장 de sonido; caracterizado porque el **reconocimiento de imagen** está configurado para identificar el transductor de sonido a p 한도 transductor de sonido.

English

French

German

Spanish

Russian

Korean

Japanese

Chinese

Arabic

Portuguese

Italian

Finnish


Polish



ecualizador



Office

Spain 

Application Number

17796838

Application Date

11.05.2017

Publication Number

2863246

Publication Date

11.10.2021

Publication Kind

T3

IPC

G06T 7/00

H04N 5/225

G06K 9/62

H04N 7/18

B25J 15/06

B25J 15/00

[View more classifications](#)

CPC

A01M 7/00

B25J 5/00

B25J 9/0093

B25J 11/0045

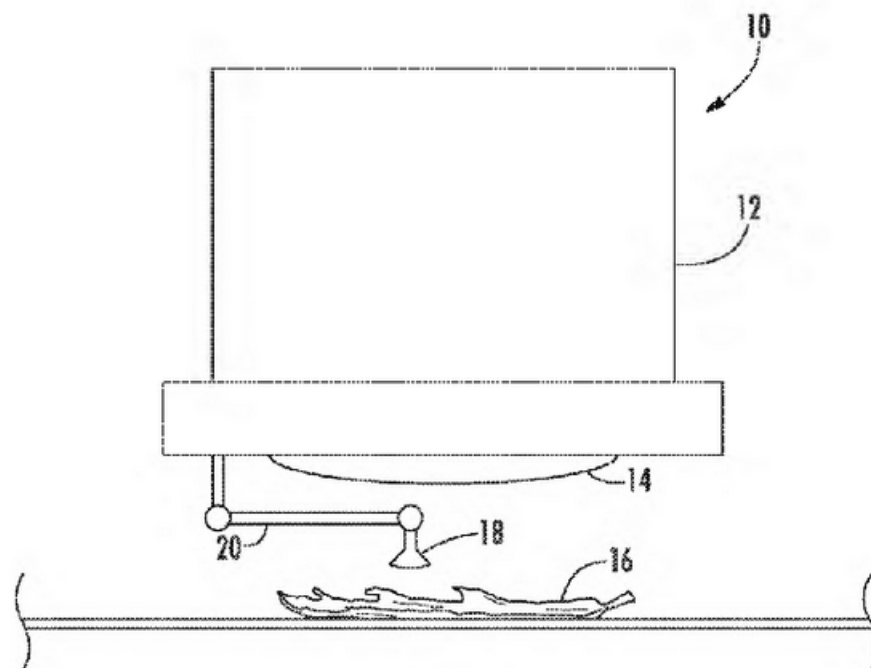
B25J 15/0019

B25J 15/0616

[View more classifications](#)

Applicants

Title

[ES] Reconocimiento de imagen de objeto y respuesta activa instantánea con aplicación y utilidad mejoradas

Abstract

[ES] Un dispositivo para detectar objetos de planta, que comprende: una plataforma movable; un dispositivo de captura de imágenes dispuesto en la plataforma movable; un sistema de reconocimiento de imagen en comunicación con el dispositivo de captura de imágenes, estando entrenado el sistema de reconocimiento de imagen para reconocer una característica de una planta que está adaptada para recibir polen; un reservorio de almacenamiento que almacena polen en el mismo; un cabezal de acción adaptado para dispersar polen; software configurado para detectar una presencia de una planta que está adaptada para recibir polen y para hacer que el cabezal de acción disperse polen en la proximidad de dicha planta.

Related patent documents

Note: Text based on automatic Optical Character Recognition processes. Please use the PDF version for legal matters

[ES]

DESCRIPCIÓN

Reconocimiento de imagen de objeto y respuesta activa instantánea con aplicación y utilidad mejoradas

Campo de la invención

La invención actual se refiere al campo del control de insectos y a la polinización de plantas, más específicamente a un método novedoso de detección de características de planta que están adaptadas para recibir polen y dispensar automáticamente polen en respuesta a lo mismo.

Antecedentes de la invención

El uso reducido de pesticidas, por una parte, y la efectividad reducida de aquellos que se encuentran en uso, ha dado como resultado una proliferación molesta de insectos en los alimentos y en el hogar. Además, los insectos u otras especies invasoras infestan de manera frecuente huertas o cultivos similares.

La invención descrita en el presente documento hace posible detectar y desechar de manera inmediata trips, ácaros y áfidos, entre otros insectos, incluyendo aquellos invisibles para el ojo no entrenado o sin práctica.

Muchos de tales insectos son muy difíciles de eliminar mediante el lavado y son resistentes a pesticidas. Los esfuerzos a gran escala, tales como el calentamiento, a menudo dañan el alimento u otro material que deben limpiarse. Los documentos de la técnica anterior en el campo de la formación de imágenes de muestras de polen son, por ejemplo: los documentos WO 2016/025848 A1, US 8252988 B2.

Sumario de la invención

La invención desvelada en el presente documento es un sistema de análisis de imagen informático, que amplía una imagen de un sustrato que va a comprobarse para bichos y otros objetos pequeños y está entrenado para reconocer diversos bichos comúnmente asociados con tales sustratos que van a comprobarse. Si se identifica un bicho, se toma cualquiera de diversas etapas de acción en diferentes realizaciones de la invención, incluyendo eliminar el bicho por medio de un cabezal de acción asociados con el dispositivo de formación de imágenes. En otras realizaciones de la invención, el sistema está ubicado en una plataforma movable para explorar un área amplia para objetos ofensivos y/o para realizar acciones de mitigación una vez que se detecta un objeto ofensivo.

Breve descripción de los dibujos

La Figura 1 muestra una vista lateral esquemática de un dispositivo de exploración dispuesto por encima de un sustrato que va a comprobarse de acuerdo con una realización de la invención.

La Figura 2 es un diagrama de flujo que muestra etapas de procesamiento de software de acuerdo con una realización de la invención.

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Field

Front Page

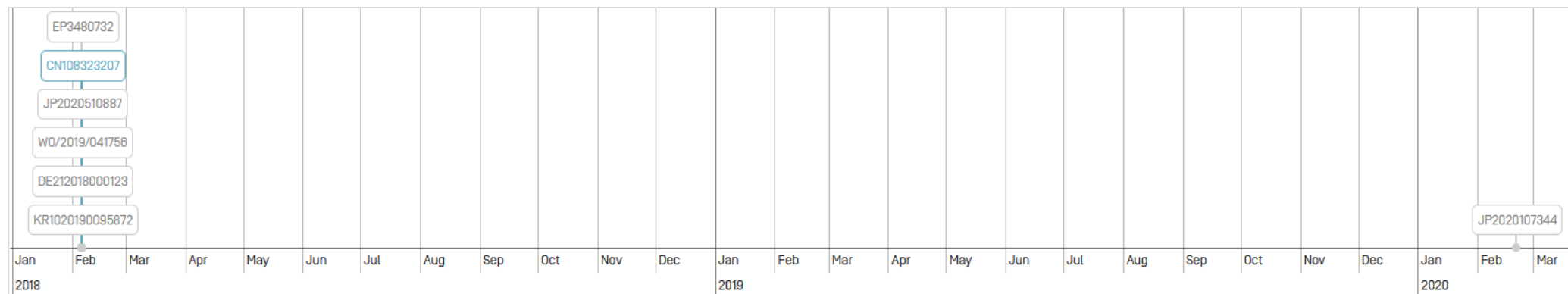


Search terms...

1. CN108323207 - UNDER-SCREEN BIOMETRIC FEATURE RECOGNITION DEVICE, BIOMETRIC FEATURE RECOGNITION ASSEMBLY AND TERMINAL DEVICE

National Biblio. Data Description Claims Drawings **Patent Family** Documents

PermaLink



CN108323207 UNDER-SCREEN BIOMETRIC FEATURE RECOGNITION DEVICE, BIOMETRIC FEATURE RECOGNITION ASSEMBLY AND TERMINAL DEVICE

Appl.No 201880000118.1 Applicant SHENZHEN GOODIX TECHNOLOGY CO LTD Pub.Kind A,B

Appl.Date 06.02.2018

Inclusion Criteria IC2 Pub.Date 24.07.2018

EP3480732 UNDER-SCREEN BIOMETRIC IDENTIFICATION APPARATUS, BIOMETRIC IDENTIFICATION ASSEMBLY, AND TERMINAL DEVICE

Appl.No 18785532 Applicant SHENZHEN GOODIX TECH CO LTD Pub.Kind A1,A4,B1 Pub.Lang en

Appl.Date 06.02.2018

Inclusion Criteria IC2 Pub.Date 08.05.2019

KR1020190095872 언더-스크린 생체 특징 인식 장치, 생체 특징 인식 어셈블리 및 단말 장치

Appl.No 1020187026562 Applicant 선전 구딕스 테크놀로지 컴퍼니, 리미티드 Pub.Kind A,B1

Appl.Date 06.02.2018

Inclusion Criteria IC2 Pub.Date 18.08.2019

DE212018000123 UNTER DEM BILDSCHIRM ANZUORDNENDE BIOMETRISCHE IDENTIFIKATIONSEINRICHTUNG, BIOMETRISCHE IDENTIFIKATIONSKOMPONENTE UND ENDGERÄTVORRICHTUNG

Appl.No 212018000123 Applicant Shenzhen Goodix Technology Co., Ltd. Pub.Kind U1

Appl.Date 06.02.2018

Inclusion Criteria IC2 Pub.Date 26.09.2019

JP2020510887 アンダースクリーンバイオメトリクス認証装置、バイオメトリクス認証ユニット及び端末装置



Appl.No 2018545480 Applicant シェンチェン グディックス テクノロジー カンパニー, リミテッド Pub.Kind A Pub.Lang ja

Appl.Date 06.02.2018

Inclusion Criteria IC2 Pub.Date 09.04.2020

PATENTSCOPE Field Combination

		Field Front Page	▼	Value	?
Operator AND	▼	Field WIPO Publication Number	▼	Value	?
Operator AND	▼	Field Applicant Name	▼	Value 선전 구딕스 테크놀로지 컴퍼니, 리미티드	?
Operator AND	▼	Field Publication Date	▼	Value	?
Operator AND	▼	Field English Title	▼	Value	?
Operator AND	▼	Field All Classifications	▼	Is Empty: N/A	▼
Operator AND	▼	Field Licensing availability	▼	<input type="checkbox"/>	

 Add another search field  Reset search fields

Offices All	▼
Languages English	▼
<input checked="" type="checkbox"/> Stemming	
<input type="checkbox"/> Single Family Member	
<input type="checkbox"/> Include NPL	

221 results

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Search



Sandrine Ammann

what if the relevant patents were filed in other languages

MY RECOMMENDED FINAL MULTILINGUAL QUERY:

Most Comprehensive Approach:

SCSS

 Copy code

```
(  
  IPC:(G06V* OR G06K9* OR G06T7* OR G06N3* OR G06N20*)  
)  
AND  
(  
  (image* OR picture* OR visual* OR photo* OR 画像 OR 圖像 OR 이미지 OR Bild*)  
  AND  
  (recogni* OR identif* OR detect* OR classif* OR 認識 OR 識別 OR 识别 OR 인식 OR Erkenn* OR reconnaissance*)  
)
```

PATENTSCOPE Advanced Search

✓
(
IC:(G06V* OR G06K9* OR G06T7* OR G06N3* OR G06N20*)
)

AND

(
(image OR picture OR visual OR photo OR 画像 OR 图像 OR 이미지 OR Bild)
AND
(recogni* OR identif* OR detect* OR classif* OR 認識 OR 識別 OR 识别 OR 인식 OR Erkenn OR reconnaissance)
)

A maximum of 3 wildcards are allowed in field 'EN_ALL' [Query Syntax](#)

☒ Query Assistant Query Examples

(IC:(G06V* OR G06K9* OR G06T7* OR G06N3* OR G06N20*))AND((image OR picture OR visual OR photo OR 画像 OR 图像 OR 이미지 OR Bild) AND (recogni* OR identif* OR detect* OR classif OF

803,813 results Offices all Languages en Stemming true Single Family Member false Include NPL false

Full Query

Close

Edit

(IC:(G06V* OR G06K9* OR G06T7* OR G06N3* OR G06N20*)) AND ((image OR picture OR visual OR photo OR 画像 OR 图像 OR 이미지 OR Bild) AND (recogni* OR identif* OR detect* OR classif OR 認識 OR 識別 OR 识别 OR 인식 OR Erkenn OR reconnaissance))

Advanced Search Techniques

01

Keyword Tricks

Wildcards, stemming, proximity operators

03

Classification Codes

IPC, CPC, JP classification

05

Chemical Search

Structure-based queries

02

Multilingual Search

Search across 10+ languages

04

Field Combinations

Target specific document sections

06

Combine All

Build sophisticated queries

EN_ALLTXT:(((image OR pattern) AND recognition) OR ((computer OR machine) AND vision) OR (image NEAR2 (analysis OR process OR identification))) ANDNOT (medical OR diagnostic OR x-ray OR MRI OR ultrasound OR radiology)

Analysis

Close

Filters Charts Timeseries

Countries		Offices		Applicants		Inventors		IPC code		CPC code		Publication Dates		Kind code	
United States of America	906,095	United States of America	956,613	CANON KABUSHIKI KAISHA	46,089	THE INVENTOR HAS WAIVED THE RIGHT TO BE MENTIONED	1,943	H04N	416,398	g06f	48,808	1976	1,438	A	605,943
China	316,135	China	364,484	SAMSUNG ELECTRONICS CO LTD	39,840			G06F	400,586	g06n 3/08	43,481	1977	1,365	B2	581,463
PCT	212,598	European Patent Office	216,924	SONY CO	32,558	ZHANG WEI	1,524	G06T	322,893	h04n	39,261	1978	1,619	A1	351,279
European Patent Office	203,663	PCT	212,598	CANON INC	27,134	WANG WEI	1,515	G06K	215,631	g06t	34,993	1979	1,805	B1	217,256
Japan	161,335	Japan	169,222	INTERNATIONAL BUSINESS MACHINES CO	20,674	SILVERBROOK KIA	1,323	G06V	143,203	g06v 10/82	34,518	1980	1,773	B	149,979
Canada	53,718	Canada	69,964	RICOH CO LTD	17,246	WANG LEI	1,201	G06N	121,499	g06n 3/045	31,530	1981	2,119	U	28,972
Australia	41,531	Republic of Korea	63,104	MICROSOFT TECH LICENSING LLC	16,285	KONDO TETSUJIRO	1,193	G06Q	112,191	g06v	27,452	1982	1,796	C	27,388
Republic of Korea	38,233	India	50,822	SEIKO EPSON CO	16,143	LIU WEI	1,181	H04L	100,323	g06t 2207/20081	26,765	1983	2,193	A4	26,195
India	37,628	Australia	48,735	FUJI XEROX CO LTD	15,616	LI WEI	1,120	G01N	80,899	g06t 2207/20084	23,650	1984	2,428	A3	18,482
United Kingdom	33,014	United Kingdom	34,740	LG ELECTRONICS INC	14,015	ZHANG LEI	1,089	G03G	77,655	g06n 3/0464	22,381	1985	2,577	A2	6,098
								G02B	67,498	g06n 20/00	21,424	1986	2,808	A5	3,638
								G09G	58,192			1987	3,559	C0	3,464
								B41J	54,223					C1	2,692

COMPLETE EXPERT QUERY (RECOMMENDED):

For Comprehensive Image Recognition Search:

ruby

 Copy code

```
(
  EN_TI:((image* OR picture* OR visual* OR photo*)
    AND (recogni* OR identif* OR detect* OR classif*))

  OR

  EN_AB:((image* OR picture* OR visual* OR photo* OR scene* OR video)
    AND (recogni* OR identif* OR detect* OR classif* OR analysis OR understanding)
    AND (computer* OR digital OR automated OR machine OR artificial OR neural OR deep OR algorithm* OR))

  OR

  EN_CL:((image* OR picture* OR visual*)
    AND (recogni* OR identif* OR detect* OR classif*)
    AND (method OR system OR apparatus OR device OR processor))
)

AND

(IPC:(G06K9* OR G06V* OR G06T7*) OR IPC:G06N3* OR IPC:G06N20*)
```

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Field

All Classifications



Search terms...

G06V OR G06T OR G06K



[Query Examples](#)

Offices

All



CLASSIF:(G06V OR G06T OR G06K)



2,697,467 results Offices all Languages en Stemming true Single Family Member false Include NPL false



Sort: Relevance ▼ Per page: 100 ▼ View: All+Image ▼

< 1 / 26,975 >

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1. **1995/07552**

Int.Class **G06T** ?

Method for reconstructing linear structures and reconstructed linear structures. The method involves analyzing a database, their original images are analyzed and reconstructed. Each pixel. A quality measure is used to evaluate the reliability of the analyzed data. Singularities [SI] and minutiae [MI] are extracted and stored.

G PHYSICS
06 COMPUTING; CALCULATING OR COUNTING
T IMAGE DATA PROCESSING OR GENERATION, IN GENERAL

ACHIM DENGLER

ZA - 26.03.1997



2. **1949303** METHOD, SYSTEM, DIGITAL CAMERA AND ASIC FOR GEOMETRIC IMAGE TRANSFORMATION BASED ON TEXT LINE SEARCHING

EP - 30.07.2008

Int.Class **G06K** ? Appl.No 06747648 Applicant LUMEX AS Inventor MEYER HANS CHRISTIAN

The present invention provides a method, system and/or a digital camera providing a geometrical transformation of deformed images of documents comprising text, by text line tracking, resulting in an image comprising parallel text lines. The transformed image is provided as an input to an OCR program either running in a computer system or in a processing element provided in said digital camera.



OfficeJapan **Application Number**

2011180856

Application Date

22.08.2011

Publication Number

2013045178

Publication Date

04.03.2013

Grant Number

5768590

Grant Date

03.07.2015

Publication Kind

B2

IPC

G06K 9/00

CPC

G06V 10/993

G06T 5/73

FI

G06K 9/00Z

F-term

5B064AA01

5B064AB02

5B064AB13

5B064BA01

5B064CA06

Title**[EN]** IMAGE PROCESSING APPARATUS, IMAGE PROCESSING METHOD, AND PROGRAM**[JA]** 画像処理装置、画像処理方法及びプログラム**Abstract****[EN]**





















PROBLEM TO BE SOLVED: To obtain an appropriate degree of blurring for an image including a character.

SOLUTION: An image processing apparatus includes: a recognition unit that performs character recognition on an image including a character to extract each character region for obtaining a score indicating a recognition accuracy of each character region; a local blurring-degree computation unit that computes a degree of blurring of each character region; and a blurring-degree computation unit that computes a degree of blurring of the image by using the score and the degree of blurring of each character region.

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[JA]**【課題】** 文字を含む画像に対して適切なボケ度を求めること。**【解決手段】** 文字を含む画像に対して文字認識を行って各文字領域を抽出し、各文字領域の認識精度を示す得点を求める認識部と、各文字領域のボケの度合いを示すボケ度を算出する局所ボケ度算出部と、得点と、ボケ度とを用いて、画像のボケ度を算出するボケ度算出部とを備える。**【選択図】** 図 2**Related patent documents**[US20130051683](#)[CN103177249](#)

PATENTSCOPE Field Combination

		Field Front Page		Value	
Operator AND		Field File Forming Term		Value 5B064AA01	
Operator AND		Field Application Number		Value	
Operator AND		Field Publication Date		Value	
Operator AND		Field English Title		Value	
Operator AND		Field All Classifications		Is Empty: N/A	
Operator		Field			

FTERM:(5B064AA01)

6,492 results Offices all Languages en Stemming true Single Family Member false Include NPL false



Sort: Relevance ▼ Per page: 100 ▼ View: All+Image ▼

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1. 2023057446 DOCUMENT RECOGNITION APPARATUS AND DOCUMENT RECOGNITION METHOD

Int.Class G06V 30/42 (?) Appl.No 2021166983 Applicant HITACHI LTD Inventor ODATE RYOSUKE

PROBLEM TO BE SOLVED: To allow in document recognition an end user to determine attributes of a character string to be read with simple operation and allow a system administrator to expand a dictionary without effort.

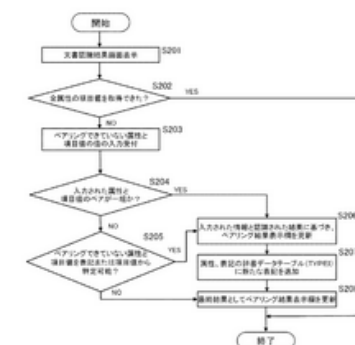
SOLUTION: A document recognition apparatus performs character recognition of a document image to obtain an attribute corresponding to a character string and an item value of an item corresponding to the attribute, and displays result information of character recognition of a document and result information of a pairing of the attribute for the character string and the item value of the item corresponding to the attribute, receives information in which a notation of the character string on the document and the item value of the item corresponding to the notation are specified as a pair when the attribute for the character string and the item value of the item corresponding to the attributed cannot be paired, and completes the pairing for the attribute for the character string in which the attribute for the character string and the item value of the item corresponding to the attributes are not paired and the item value of the item corresponding to the attribute.

SELECTED DRAWING: Figure 7

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JP - 21.04.2023

図 7



2. 1988097163 伝票読取機

Int.Class G06K 9/00 (?) Appl.No 1986192185 Applicant Inventor

JP - 23.06.1988

NO
IMAGE
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2025.01 Version

type an IPC Symbol

None

PDF

English version, French version, English/French, Path view, Full view

Scheme RCL Compilation Catchwords Search

+	A	HUMAN NECESSITIES
+	B	PERFORMING OPERATIONS; TRANSPORTING
+	C	CHEMISTRY; METALLURGY
+	D	TEXTILES; PAPER
+	E	FIXED CONSTRUCTIONS
+	F	MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING
+	G	PHYSICS
+	H	ELECTRICITY

Quick summary / essentials

- Use patent classification codes for image recognition: **CPC/IPC groups G06V, G06T, and G06K** (these cover image/video recognition, image data processing and graphical data reading). USPTO +1
- Exclude medical/clinical inventions by excluding medical classes (for example CPC/IPC **A61** and other medical subgroups) or using negative keyword filters like **-medical -health -biomed**. (Filtering by classification is more reliable than keyword exclusion.) USPTO +1

Broad non-medical image recognition

- Query 1 (broad, CPC + keywords):
(FP:(image OR video) AND (FP:("object detection" OR "object recognition" OR classification OR "image recognition" OR "computer vision"))) AND IC:(G06V OR G06K OR G06T) AND CTR:WO ANDNOT FP:(medical OR clinic* OR diagnos* OR patholog* OR radiolog* OR "medical image" OR biomedical)
- Query 2 (title/abstract focus, fewer false positives):
(TIAB:("object detection" OR "object recognition" OR "image recognition" OR "computer vision" OR "image classification")) AND **IC:(G06V OR G06K OR G06T)** AND CTR:WO ANDNOT TIAB:(medical OR diagnos* OR patholog* OR radiolog* OR clinic* OR "medical image" OR biomedical)

Advanced Search Techniques

01

Keyword Tricks

Wildcards, stemming, proximity operators

03

Classification Codes

IPC, CPC, JP classification

05

Chemical Search

Structure-based queries

02

Multilingual Search

Search across 10+ languages

04

Field Combinations

Target specific document sections

06

Combine All

Build sophisticated queries

EN_ALLTXT:(((image OR pattern) AND recognition) OR ((computer OR machine) AND vision) OR (image NEAR2 (analysis OR process OR identification))) ANDNOT



2,033,555 results

Offices all

Languages en

Stemming true

Single Family Member false

Include NPL false



Full Query

Close

Edit

EN_ALLTXT:(((image OR pattern) AND recognition) OR ((computer OR machine) AND vision) OR (image NEAR2 (analysis OR process OR identification))) ANDNOT (medical OR diagnostic OR x-ray OR MRI OR ultrasound OR radiology)

Sort: Relevance ▼ Per page: 100 ▼ View: All+Image ▼

< 1 / 20,336 >

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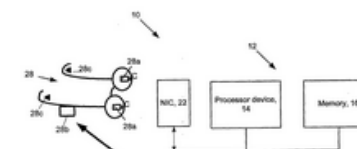
Machine translation ▼

1. WO/2005/096760 PORTABLE READING DEVICE WITH MODE PROCESSING

WO - 20.10.2005

Int.Class G09G 5/02 ⓘ **Appl.No** PCT/US2005/011180 **Applicant** KURZWEIL TECHNOLOGIES, INC. **Inventor** KURZWEIL, Raymond, C.

A reading device includes a **computing** device and an **image** input device coupled to the **computing** device for capturing low-resolution **images** and high-resolution **images** [see Figure 1]. The reading **machine** includes a **computer** program product residing on a **computer** readable medium. The medium is in communication with the **computing** device and includes instructions to operate in a plurality of modes to optimize performance for specific uses of the reading device and process low and high



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Field

Full Text

Front Page

Any Field

Full Text

Claims

All Numbers and IDs

All Classifications

All Names

Publication Date

ms...

OR pattern) AND recognition) OR ((computer OR machine) AND vision) OR (image NEAR2 (analysis OR proc

Query Examples

WIPO FOR OFFICIAL USE ONLY

PATENTSCOPE Field Combination

Front Page				
Operator		Field		Value
AND	▼	English Claims	▼	(((image OR pattern) AND recognition) OR ((computer OR machine) AND vision))
Operator	▼	English Abstract	▼	(((image OR pattern) AND recognition) OR ((computer OR machine) AND vision))
OR	▼	English Title	▼	(((image OR pattern) AND recognition) OR ((computer OR machine) AND vision))
Operator	▼	English Title	▼	Value
AND	▼	English Title	▼	Value
Operator	▼	Field		Is Empty:
AND	▼	All Classifications	▼	N/A
Operator		Field		

350,455 results

Reset

Search

		Front Page			
Operator AND	▼	Field English Claims	▼	Value (((image OR pattern) AND recognition) OR ((computer OR machine) AND vision))	?
Operator OR	▼	Field English Abstract	▼	Value (((image OR pattern) AND recognition) OR ((computer OR machine) AND vision))	?
Operator OR	▼	Field English Title	▼	Value (((image OR pattern) AND recognition) OR ((computer OR machine) AND vision))	?
Operator AND	▼	Field Publication Date	▼	Value 2024	?

EN_CL:((((image OR pattern) AND recognition) OR ((computer OR machine) AND vision))) OR EN_AB:((((image OR pattern) AND recognition) OR ((computer OR m



5,491 results Offices all Languages en Stemming true Single Family Member false Include NPL false



Full Query

Close

Edit

EN_CL:((((image OR pattern) AND recognition) OR ((computer OR machine) AND vision))) OR EN_AB:((((image OR pattern) AND recognition) OR ((computer OR machine) AND vision)))
OR EN_TI:((((image OR pattern) AND recognition) OR ((computer OR machine) AND vision))) AND DP:(2024)

Sort: Relevance ▼ Per page: 100 ▼ View: All+Image ▼

< 1 / 55 >

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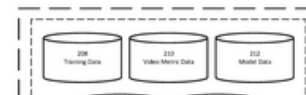
Machine translation ▼

1. WO/2024/182795 SYSTEM, METHOD, AND APPARATUS FOR APPLYING **COMPUTER VISION**, ARTIFICIAL INTELLIGENCE, AND **MACHINE** LEARNING TO IDENTIFY, MEASURE, AND VALUE PRODUCT PLACEMENT AND SPONSORED ASSETS

WO - 06.09.2024

Int.Class G06T 7/11 ⓘ Appl.No PCT/US2024/018306 Applicant U-MVPINDEX LLC Inventor FOLEY, Brian

A system, method, and apparatus for identifying product placement utilizing a **computer vision**, artificial intelligence, and/or **machine**-learning model that includes an object **recognition** model. The **computer vision**, artificial intelligence, and/or **machine**-learning model can be trained to recognize each placement **pattern** in a first



(EN_CL:((((image OR pattern) AND recognition) OR ((computer OR machine) AND vision))) OR EN_AB:((((image OR pattern) AND recognition) OR ((computer OR machine) AND vision)))

36,101 results Offices all Languages en Stemming true Single Family Member false Include NPL false



Full Query

Close

Edit

(EN_CL:((((image OR pattern) AND recognition) OR ((computer OR machine) AND vision))) OR EN_AB:((((image OR pattern) AND recognition) OR ((computer OR machine) AND vision))) OR EN_TI:((((image OR pattern) AND recognition) OR ((computer OR machine) AND vision))) AND DP:(2024)

Sort: Relevance ▼ Per page: 100 ▼ View: All+Image ▼

< 1 / 362 >

Download ▼

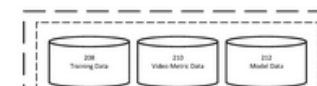
Machine translation ▼

1. WO/2024/182795 SYSTEM, METHOD, AND APPARATUS FOR APPLYING COMPUTER VISION, ARTIFICIAL INTELLIGENCE, AND MACHINE LEARNING TO IDENTIFY, MEASURE, AND VALUE PRODUCT PLACEMENT AND SPONSORED ASSETS

WO - 06.09.2024

Int.Class G06T 7/11 ⓘ Appl.No PCT/US2024/018306 Applicant U-MVPINDEX LLC Inventor FOLEY, Brian

A system, method, and apparatus for identifying product placement utilizing a computer vision, artificial intelligence, and/or machine-learning model that includes an object recognition model. The computer vision, artificial intelligence, and/or machine-learning model can be trained to recognize each placement pattern in a first



PATENTSCOPE Field Combination

		Front Page			
Operator		Field		Value	
AND	▼	English Claims	▼	((image OR pattern) AND recognition) OR ((computer OR machine) AND vision))	?
Operator		Field		Value	
OR	▼	English Abstract	▼	((image OR pattern) AND recognition) OR ((computer OR machine) AND vision))	?
Operator		Field		Value	
OR	▼	English Title	▼	((image OR pattern) AND recognition) OR ((computer OR machine) AND vision))	?
Operator		Field		Value	
AND	▼	English Title	▼		?
Operator		Field		Is Empty:	
AND	▼	All Classifications	▼	N/A	▼
Operator		Field			

350,455 results

Reset

Search

EN_CL:((((image OR pattern) AND recognition) OR ((computer OR machine) AND vision))) OR EN_AB:((((image OR pattern) AND recognition) OR ((computer OR m



350,455 results

Offices all

Languages en

Stemming true

Single Family Member false

Include NPL false



Analysis

Close

Filters Charts Timeseries

Countries		Offices		Applicants		Inventors		IPC code		CPC code		Publication Dates		Kind code		Publisher [NPL]	
China	156,120	China	161,421	SAMSUNG ELECTRONICS CO LTD	4,181	THE INVENTOR HAS WAIVED THE RIGHT TO BE MENTIONED	922	G06V	79,336	g06n 3/08	22,084	1976	109	A	145,689		
United States of America	80,267	United States of America	86,790	BEIJING BAIDU NETCOM SCIENCE AND TECH CO LTD	2,933			G06K	79,241	g06v 10/82	20,694	1977	101	B	58,981		
PCT	29,850	PCT	29,850					G06T	70,458	g06n 3/045	18,580	1978	95	B2	53,748		
Japan	26,179	Japan	27,290	SONY CO	2,116			G06F	63,221	g06v 10/764	12,559	1979	104	A1	36,523		
European Patent Office	19,241	European Patent Office	20,940	INTERNATIONAL BUSINESS MACHINES CO	2,106	WANG WEI	787	G06N	53,612			1980	145	B1	27,199		
Republic of Korea	12,931	Republic of Korea	15,386	NEC CO	1,774	ZHANG WEI	760	H04N	39,300	g06n 3/0464	12,206	1981	170	U	16,883		
India	6,365	India	7,747	CANON INC	1,669	WANG LEI	645	G06Q	25,574	g06f 18/214	10,862	1982	137	A4	3,083		
Canada	5,471	Canada	7,408	CANON KABUSHIKI KAISHA	1,459	LI WEI	596	G01N	15,490			1983	196	C	2,686		
Australia	4,842	Australia	5,764			LIU YANG	578	A61B	15,115	g06v	10,678	1984	239	A3	1,511		
United	3,608	United	3,823	LG ELECTRONICS INC	1,413	LIU WEI	576	G10L	11,884	g06t 2207/20081	10,635	1985	259	C1	872		
						ZHANG LEI	519	H04L	9,860	g06t	9,177	1986	263	A2	585		

EN_CL:((((image OR pattern) AND recognition) OR ((computer OR machine) AND vision))) OR EN_AB:((((image OR pattern) AND recognition) OR ((computer OR m



350,455 results

Offices all

Languages en

Stemming true

Single Family Member false

Include NPL false



Analysis

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Filters

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Countries		Offices		Applicants		Inventors		IPC code		CPC code		Publication Dates		Kind code		Publisher [NPL]	
China	156,120	China	161,421	SAMSUNG ELECTRONICS CO LTD	4,181	THE INVENTOR HAS	922	G06V	79,336	g06n 3/08	22,084	1976	109	A	145,689		
United States of America	80,267	United States of America	86,790	BEIJING BAIDU NETCOM SCIENCE AND TECH CO LTD	2,933	WAIVED THE RIGHT TO BE MENTIONED		G06K	79,241	g06v 10/82	20,694	1977	101	B	58,981		
PCT	29,850	PCT	29,850	SONY CO	2,116			G06T	70,458	g06n 3/045	18,580	1978	95	B2	53,748		
Japan	26,179	Japan	27,290	INTERNATIONAL BUSINESS MACHINES CO	2,106	WANG WEI	787	G06F	63,221	g06v 10/764	12,559	1979	104	A1	36,523		
European Patent Office	19,241	European Patent Office	20,940	NEC CO	1,774	ZHANG WEI	760	G06N	53,612	g06n 3/0464	12,206	1980	145	B1	27,199		
Republic of Korea	12,931	Republic of Korea	15,386	CANON INC	1,669	WANG LEI	645	G06Q	25,574	g06f 18/214	10,862	1981	170	U	16,883		
India	6,365	India	7,747	CANON KABUSHIKI KAISHA	1,459	LI WEI	596	G01N	15,490	g06v	10,678	1982	137	A4	3,083		
Canada	5,471	Canada	7,408	LG ELECTRONICS INC	1,413	LIU YANG	578	A61B	15,115	g06t 2207/20081	10,635	1983	196	C	2,686		
Australia	4,842	Australia	5,764			LIU WEI	576	G10L	11,884			1984	239	A3	1,511		
						ZHANG LEI	519	H04L	9,860			1985	259	C1	872		

SETTINGS

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Save

Query Office **Result** Interface OthersResult List Language
Query Language☐ Analysis tab openAnalysis type
TableAnalysis graph
pieNo of Items/Group
50

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☐ Application Number
☒ Application DateResult List view
All+Image

Group by *

☐ Countries
☒ Offices
☒ Applicants
☒ Inventors
☒ IPC code
☐ CPC code
☒ Publication Dates
☐ Filing Dates
☒ Kind code

Offices		Applicants		Inventors		IPC code		CPC code		Publication Dates		Kind code	
United States of America	1,372	GENENTECH INC	91	RIEL-MEHAN, MICHAEL	20	G01N	2,905	c12q 1/6886	1,599	2007	91	A	1,788
PCT	922	NOVARTIS AG	73	ZHANG ZHEN	20	C12Q	2,733	c12q 2600/158	1,019	2008	147	A1	1,381
China	730	THE JOHNS HOPKINS UNIVERSITY	70	NAKAMURA YUSUKE	18	A61K	982	g01n	821	2009	179	B2	421
European Patent Office	607	DANA FARBER CANCER INSTITUTE INC	69	DAIGO YATARO	18	C12N	684	a61p 35/00	809	2010	188	B1	402
Canada	427	SOMALOGIC INC	60	GOLD, LARRY	18	C07K	574	c12q	520	2011	249	NPL	381
Republic of Korea	398	JEDDELOH JEFFREY A.	18	A61P	423	c12q 2600/118	472	2012	268	B	162		

PATENTSCOPE Advanced Search ▼

Search terms...

☒ Query Assistant [Query Examples](#)

⊕ Expand with related terms

Offices All	▼
Lanquages English	▼
<input checked="" type="checkbox"/> Stemming	
<input type="checkbox"/> Single Family Member	
<input type="checkbox"/> Include NPL	

Reset

Search

Help

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- [Fields Definition](#)
- [IPC/CPC Classification fields](#)
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- [Practical exercises](#)
- [Webinars](#)

National Collections - Fields Definition

[View Fields Diagram](#)

Symbol ⇅	Name ⇅	Help	Type ⇅	Stemmed ⇅	PCT	National	NPL
AAD	Applicant Address	<input checked="" type="checkbox"/> AAD:(London)	text	false	✓	✓	
AADC	Applicant Address Country	<input checked="" type="checkbox"/> AADC:(US)	string	false	✓	✓	
AD	Application Date	<input checked="" type="checkbox"/> AD:(2010) <input checked="" type="checkbox"/> AD:(201007) <input checked="" type="checkbox"/> AD:(20100715) <input checked="" type="checkbox"/> AD:([01.01.2000 TO 01.01.2005])	date	false	✓	✓	
ALLNUM	All Numbers and IDs	The entered value is searched against the application number, the PCT publication number, the national publication number and the priority number <input checked="" type="checkbox"/> ALLNUM:(US200500*) <input checked="" type="checkbox"/> ALLNUM:(23412 CU) <input checked="" type="checkbox"/> ALLNUM:(2007 8603 MX)	string	false	✓	✓	✓
AN	Application Number	Application number with or without the country code, in various forms. <input checked="" type="checkbox"/> AN:(US2000*)	string	false	✓	✓	

National Collections - Fields Definition

View Fields Diagram

Symbol ↕	Name ↕	Help	Type ↕	Stemmed ↕	PCT	National	NPL
	front page						
FP	Front Page	<p>The entered value is searched against the Title, Abstract, Numbers and Names</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> FP:("electric car"~50) <input checked="" type="checkbox"/> FP:(Smith or Klein) <input checked="" type="checkbox"/> FP:(WO2010000001) <input checked="" type="checkbox"/> FP:(EP2012001709) <input checked="" type="checkbox"/> FP:("sol* panel"~5) <input checked="" type="checkbox"/> FP:(elect?icit?) <input checked="" type="checkbox"/> FP:(electric^10 and car^3) 	text	false	✓	✓	✓

Advanced Search Techniques

01

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IPC, CPC, JP classification

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Chemical Search

Structure-based queries

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Field		Search terms...	
Full Text		ibuprophen OR ibuprofen	
			Query Examples

Offices	
All	

PATENTSCOPE Chemical compounds search

Convert structure

Upload structure

Structure editor

Found compounds

Found Markush Formulas

Search type
Compound name



Type an accepted name, commercial name, CAS name, IUPAC name
ibuprofen

☐ Search for scaffold

☐ Include enumerated Markush structures

Offices

All



Reset

Show in editor

Exact Structure Search

CHEM:(HEFNNWSXXWATRW-UHFFFAOYSA-N)



151,724 results

Offices all

Languages en

Stemming true

Single Family Member false

Include NPL false



Sort: Relevance ▼ Per page: 100 ▼ View: All+Image ▼

< 1 / 1,518 >

Download ▼

Machine translation ▼

1. 105343033 一种布洛芬缓释微丸及其制备方法

CN - 24.02.2016

Int.Class A61K 9/52 ⓘ Appl.No 201510924784.1 Applicant 西南药业股份有限公司 Inventor 李标

本发明提供了一种布洛芬缓释微丸及其制备方法，所述布洛芬缓释微丸包括含药素丸；包覆在所述含药素丸表面的缓释材料；所述含药素丸包括以下组分：布洛芬55重量份~75重量份；崩解剂15重量份~35重量份；填充剂1重量份~15重量份；粘合剂1重量份~5重量份；所述崩解剂为微晶纤维素；所述缓释材料为聚甲基丙烯酸酯类或乙基纤维素类。本发明提供的布洛芬缓释微丸的制备方法首先将布洛芬均匀分散在含药素丸中，再通过缓释材料进行包覆，得到缓释微丸，通过崩解剂与缓释材料相互作用，能够有效控制药物释放度，使产品缓释效果好且稳定。

NO
IMAGE
AVAILABLE

2. 113893227 FEEDSTOCK AND PREPARATION METHOD OF IBUPROFEN TABLETS AND IBUPROFEN TABLETS

CN - 07.01.2022

Int.Class A61K 9/28 ⓘ Appl.No 202111366179.9 Applicant SHANDONG HI-QUAL PHARMATECH CO., LTD. Inventor BI JINGZHE

The invention provides feedstock and a preparation method of ibuprofen tablets and the ibuprofen tablets, and relates to the technical field of pharmaceutical preparations. The feedstock of the ibuprofen tablets provided by the invention comprises an auxiliary agent, ibuprofen with 100-180[μm] of D90 particle size, and microcrystalline cellulose with less than 3% of drying weight loss. The ibuprofen tablets prepared from the feedstock are not easy to stick, and the problem that the ibuprofen tablets are easy to stick during production is solved. The preparation method of the ibuprofen tablets is simple and easy to produce, and the ibuprofen tablets prepared by the method have integrated appearance and good quality.

NO
IMAGE
AVAILABLE

PATENTSCOPE Chemical compounds search

Convert structure

Upload structure

Structure editor

Found compounds

Found Markush Formulas

Search type

Compound name



Type an accepted name, commercial name, CAS name, IUPAC name

ibuprophen

☐ Search for scaffold

☐ Include enumerated Markush structures

Offices

All



Reset

Show in editor

Exact Structure Search

CHEM:(HEFNNWSXXWATRW-UHFFFAOYSA-N)



151,724 results

Offices all

Languages en

Stemming true

Single Family Member false

Include NPL false



Sort: Relevance ▼ Per page: 100 ▼ View: All+Image ▼

< 1 / 1,518 >

Download ▼

Machine translation ▼

1. 105343033 一种布洛芬缓释微丸及其制备方法

CN - 24.02.2016

Int.Class A61K 9/52 ⓘ Appl.No 201510924784.1 Applicant 西南药业股份有限公司 Inventor 李标

本发明提供了一种布洛芬缓释微丸及其制备方法，所述布洛芬缓释微丸包括含药素丸；包覆在所述含药素丸表面的缓释材料；所述含药素丸包括以下组分：布洛芬55重量份~75重量份；崩解剂15重量份~35重量份；填充剂1重量份~15重量份；粘合剂1重量份~5重量份；所述崩解剂为微晶纤维素；所述缓释材料为聚甲基丙烯酸酯类或乙基纤维素类。本发明提供的布洛芬缓释微丸的制备方法首先将布洛芬均匀分散在含药素丸中，再通过缓释材料进行包覆，得到缓释微丸，通过崩解剂与缓释材料相互作用，能够有效控制药物释放度，使产品缓释效果好且稳定。

NO
IMAGE
AVAILABLE

2. 113893227 FEEDSTOCK AND PREPARATION METHOD OF IBUPROFEN TABLETS AND IBUPROFEN TABLETS

CN - 07.01.2022

Int.Class A61K 9/28 ⓘ Appl.No 202111366179.9 Applicant SHANDONG HI-QUAL PHARMATECH CO., LTD. Inventor BI JINGZHE

The invention provides feedstock and a preparation method of ibuprofen tablets and the ibuprofen tablets, and relates to the technical field of pharmaceutical preparations. The feedstock of the ibuprofen tablets provided by the invention comprises an auxiliary agent, ibuprofen with 100-180[μm] of D90 particle size, and microcrystalline cellulose with less than 3% of drying weight loss. The ibuprofen tablets prepared from the feedstock are not easy to stick, and the problem that the ibuprofen tablets are easy to stick during production is solved. The preparation method of the ibuprofen tablets is simple and easy to produce, and the ibuprofen tablets prepared by the method have integrated appearance and good quality.

NO
IMAGE
AVAILABLE

((CHEM:(HEFNNWSXXWATRW-UHFFFAOYSA-N) OR EN_ALLTXT:(ibuprophen OR ibuprofen))) AND DP:2025 AND PA:(novartis OR takeda) AND OF:(CN OR JP)



16 results

Offices all

Languages en

Stemming true

Single Family Member false

Include NPL false



Sort: Relevance ▼ Per page: 100 ▼ View: All+Image ▼

< 1/1 ▼ >

Download ▼

Machine translation ▼

1. 2025093941 MANAGEMENT OF CONDITIONS OTHER THAN MULTIPLE SCLEROSIS IN OFATUMUMAB-TREATED PATIENTS

JP - 24.06.2025

Int.Class A61P 25/00 ⓘ Appl.No 2025025925 Applicant **NOVARTIS** AG Inventor MARTIN MERSCHHEMKE

PROBLEM TO BE SOLVED: To provide a therapy for treating or preventing relapsing multiple sclerosis [RMS] in a patient having a history of previous or ongoing conditions such as infections.

SOLUTION: The present invention provides ofatumumab for use in treating or preventing relapsing multiple sclerosis [RMS], where the ofatumumab is used in a patient having a history of previous or ongoing conditions other than multiple sclerosis.

SELECTED DRAWING: None

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2. 2025024104 USE OF IL-17 ANTAGONISTS FOR INHIBITING PROGRESSION OF STRUCTURAL DAMAGE IN PSORIATIC ARTHRITIS PATIENTS

JP - 19.02.2025

Int.Class C12N 15/13 ⓘ Appl.No 2024199491 Applicant **NOVARTIS** AG Inventor SHEPHARD MPOFU

PROBLEM TO BE SOLVED: To provide novel therapies to prevent progression of structural damage associated with psoriatic arthritis [PsA] in PsA patients being TNF inadequate responders [TNF-IR] whose response to previous treatment with a TNF alpha antagonist was inadequate.

SOLUTION: The disclosure provides methods, uses, medicaments, pharmaceutical formulations, dosage forms, and kits for inhibiting the progression of structural damage in psoriatic arthritis [PsA] patients using IL-17 antagonists, e.g., IL-17 antibodies and antigen-binding fragments thereof, e.g., secukinumab.



Advanced Search Techniques

01

Keyword Tricks

Wildcards, stemming, proximity operators

03

Classification Codes

IPC, CPC, JP classification

05

Chemical Search

Structure-based queries

02

Multilingual Search

Search across 10+ languages

04

Field Combinations

Target specific document sections

06

Combine All

Build sophisticated queries

(EN_AB:("hearing aid" OR "hearing device" OR "hearing assisted"~21) OR FR_AB:("appareil auditif" OR "appareil de correction auditive" OR "dispositif auditif" OR "prothèses auditives"



1,394 results Offices all Languages en Stemming true Single Family Member false Include NPL true



Full Query

Close

Edit

(EN_AB:("hearing aid" OR "hearing device" OR "hearing assisted"~21) OR FR_AB:("appareil auditif" OR "appareil de correction auditive" OR "dispositif auditif" OR "prothèses auditives" OR "audioprothèse" OR "assistance auditive" OR "prothèse acoustique" OR "appareil d'aide auditive" OR "prothèse auditive") OR DE_AB:("Hörgerät" OR "Hörhilfegerät" OR "Hörvorrichtung") OR ES_AB:("audifono" OR "audfono" OR "auxiliar de audición" OR "disositivo auditivo") OR PT_AB:("dispositivo auxiliar de audição" OR "audiofone" OR "aparelho auditivo") OR JA_AB:("補聴" OR "これを用いた聴取" OR "聴取デバイス" OR "ヒアリングデバイス" OR "を聴取" OR "を備えた聴取" OR "をの聴覚" OR "これ聴取") OR RU_AB:("прослушивания помощью"~22 OR "слуха помощью"~22 OR "слуховых помощью"~22 OR "слухового аппарата" OR "прослушивания спомощью"~22 OR "слуха спомощью"~22 OR "слуховых спомощью"~22 OR "прослушивания работающий"~22 OR "прослушивания выполняемая"~22) OR ZH_AB:("助听器" OR "用于助听") OR KO_AB:("보청기" OR "장치 및 콘텐츠 처리") OR IT_AB:("protesi acustica" OR "acustico" OR "auricolare" OR "chiocciola") OR SV_AB:("hörapparat") OR NL_AB:("hoorapparaat" OR "gehoortoestel" OR "gehoorapparaat" OR "hoortoestel" OR "gehoorinrichting") OR PL_AB:("aparatu sluchowego") OR DA_AB:("høreapparat")) AND DP:2024

Sort: Relevance ▼ Per page: 100 ▼ View: All+Image ▼

< 1 / 14 >

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1. WO/2024/146816 METHOD FOR OPERATING A HEARING DEVICE

Int.Class H04R 25/00 ⓘ Appl.No PCT/EP2023/087141 Applicant SIVANTOS PTE. LTD. Inventor SERMAN, Maja

The invention relates to a method [44] for operating a hearing device [6], in particular a hearing aid, which has a microphone [12], a control unit [16] coupled thereto, and a receiver [20]. An audio signal [18] with a speech component [50] of the wearer [2] of the hearing device [6] is generated using the microphone [12]. The speech component [50] is used to estimate the health condition [56] of the wearer [2] of the hearing device [6], and a setting of the hearing device [6] is changed on the basis of the health condition [56]. The invention additionally relates to a method [42] for operating a hearing device system [4] and to a hearing device [6].

WO - 11.07.2024

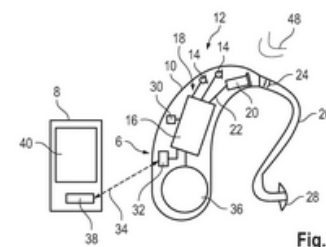


Fig. 2

Full Query

(EN_AB:("hearing aid" OR "hearing device" OR "hearing assisted"~21) OR FR_AB:("appareil auditif" OR "appareil de correction auditive" OR "dispositif auditif" OR "prothèses auditives" OR "audioprothèse" OR "assistance auditive" OR "prothèse acoustique" OR "appareil d'aide auditive" OR "prothèse auditive") OR DE_AB:("Hörgerät" OR "Hörhilfegerät" OR "Hörvorrichtung") OR ES_AB:("audifono" OR "audfono" OR "auxiliar de audición" OR "disositivo auditivo") OR PT_AB:("dispositivo auxiliar de audição" OR "audiofone" OR "aparelho auditivo") OR JA_AB:("補聴" OR "これを用いた聴取" OR "聴取デバイス" OR "ヒアリングデバイス" OR "を聴取" OR "を備えた聴取" OR "をの聴覚" OR "これ聴取") OR RU_AB:("прослушивания помощью"~22 OR "слуха помощью"~22 OR "слуховых помощью"~22 OR "слухового аппарата" OR "прослушивания спомощью"~22 OR "слуха спомощью"~22 OR "слуховых спомощью"~22 OR "прослушивания работающий"~22 OR "прослушивания выполняемая"~22) OR ZH_AB:("助听器" OR "用于助听") OR KO_AB:("보청기" OR "장치 및 콘텐츠 처리") OR IT_AB:("protesi acustica" OR "acustico" OR "auricolare" OR "chiocciola") OR SV_AB:("hörapparat") OR NL_AB:("hoorapparaat" OR "gehoortoestel" OR "gehoorapparaat" OR "hoortoestel" OR "gehoorinrichting") OR PL_AB:("aparatu słuchowego") OR DA_AB:("høreapparat")) AND DP:2024

Analysis

Filters

Charts

Timeseries

Countries		Offices		Applicants		Inventors		IPC code		CPC code		Publication Dates		Kind code		Publisher [NPL]	
China	467	China	483	SIVANTOS PTE LTD	118	TU LEI	37	H04R	1,144	h04r 2225/43	212	2024	1,394	A	412	ieee	137
United States of America	293	United States of America	295	SONOVA AG	75	ZHOU SHANCHEN	37	A61B	129	h04r 25/554	172			A1	346	mdpi	23
				OTICON A/S	68	YU JING	33	G10L	122	h04r 25/505	159			U	182	wikipedia	8
Non-Patent Literature	174	European Patent Office	178	KNOWLES ELECTRONICS LLC	43	PEDERSEN MICHAEL SYSKIND	26	G06F	100	h04r 25/50	140			NPL	174	nature	6
European Patent Office	163	PCT	95	HANGZHOU HUIER HEARING TECHNIQUE AND EQUIPMENT CO LTD	32	MICHAEL SYSKIND PEDERSEN	23	H02J	48	h04r 25/00	109			B2	94		
PCT	95	Germany	61					A61N	45	h04r 2225/41	103			U1	38		
Germany	60	Japan	50					G09B	40	h04r 2225/55	94			B1	33		
Japan	43	Republic of Korea	32	STARKEY LABORATORIES INC	32	SHI WENDI	17	H04W	39	h04r 25/70	93			B	30		
						JESPER	14	A61F	38	h04r 25/604	88	A3	29				

Full Query

aspirin and ibuprofen

Close

Edit

(CHEM:(HEFNNWSXXWATRW-UHFFFAOYSA-N AND BSYNRYMUTXBXSQ-UHFFFAOYSA-N) OR EN_ALLTXT:(aspirin AND ibuprofen)) AND PA:(genentech OR astrazeneca) AND ((IC:"A61K") OR (CPC_EX:"A61K 45/06"))

IPC OR CPC

Either one of or both applicants

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< 1 / 23 >

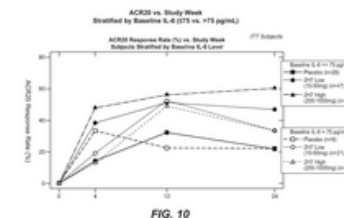
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1. WO/2008/157282 BIOLOGICAL MARKERS PREDICTIVE OF RHEUMATOID ARTHRITIS RESPONSE TO B-CELL ANTAGONISTS

WO - 24.12.2008

Int.Class A61K 39/395 ? Appl.No PCT/US2008/066822 Applicant GENENTECH, INC. Inventor BEHRENS, Timothy W.

Methods and assays examining expression of one or more biomarkers in a sample are provided for predicting or indicating the effectiveness of treatment of a rheumatoid arthritis patient with a B-cell antagonist. Methods are provided for identifying patients whose rheumatoid arthritis is likely to be responsive to B-cell-antagonist, anti-rheumatoid arthritis therapy. Methods for treating such patients with B-cell antagonists that incorporate the above methodology are also provided. Further provided are kits and articles of manufacture useful for such methods.



Option B — Advanced Search (pasteable query string)

Paste this into the **Advanced Search** box. It uses `ALLNAMES` (searches applicant/inventor/agent names) and the classification field codes; it's faster to run but slightly less strict on "applicant only" vs other name roles.

ruby

 Copy code

```
(ALLNAMES:(Genentech OR "Genentech, Inc." ) OR ALLNAMES:("AstraZeneca" OR "AstraZeneca AB"))  
AND EN_ALLTXT:(aspirin OR ibuprofen)  
AND (IC:A61K OR CPC:A61K45/06)
```

Important tips for this string:

- `ALLNAMES` searches applicant *and* inventor and agent names. If you need *applicant-only* and the Field Combination UI isn't convenient, add name filters and examine the results to confirm applicant role.
- `EN_ALLTXT` searches English title, abstract, description and claims (good for catching chemical names in text).
- `IC:A61K` matches IPC A61K (broad IPC subclass). `CPC:A61K45/06` targets the exact CPC subgroup. Use `OR` between them as shown if you want documents classified under either scheme. [WIPO +1](#)

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Help

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- [The Norwegian and Belgian national patent collections and the F-term & FI classifications are now available in PATENTSCOPE](#) (Jul 12, 2023)
- [Polish Now Available in WIPO Translate in PATENTSCOPE!](#) (Jun 15, 2023)

PATENTSCOPE PRACTICAL EXERCISES

This query `EN_AB:(electri* OR electrica* OR electrici* OR support* OR stand* or carry* OR foundat* OR electron*)` cannot be run in PATENTSCOPE why?

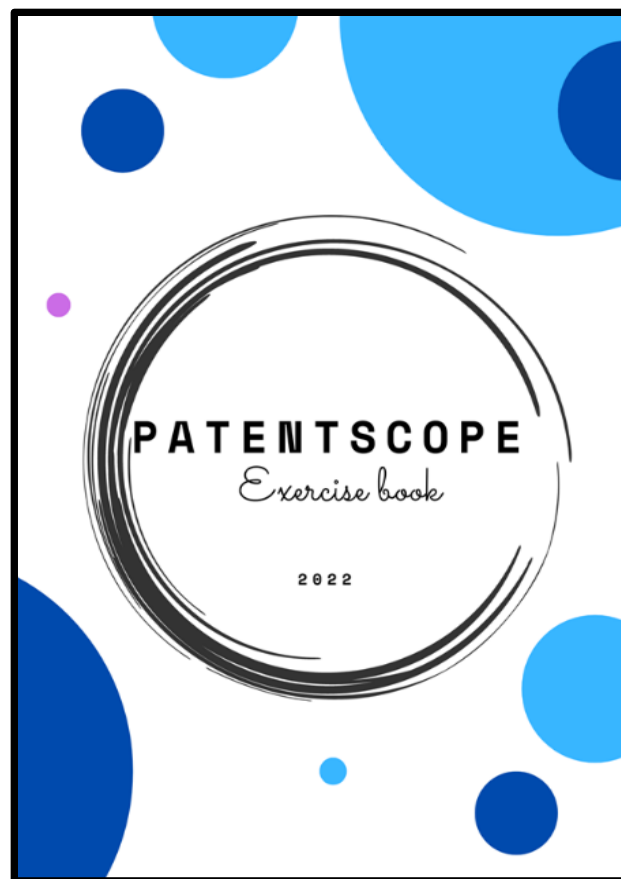
- ☐ The use of the operator OR is incorrect
- ☐ The use of the parentheses is incorrect
- ☐ There are too many wildcards

Which query will return results for the search term solar or the combination of search terms wind/turbine in the English description?

- ☐ `EN_DE:(solar OR (wind AND turbine))`
- ☐ `EN_DE:(solar OR wind AND turbine)`
- ☐ `EN_DE:(solar OR ((wind AND turbine)))`

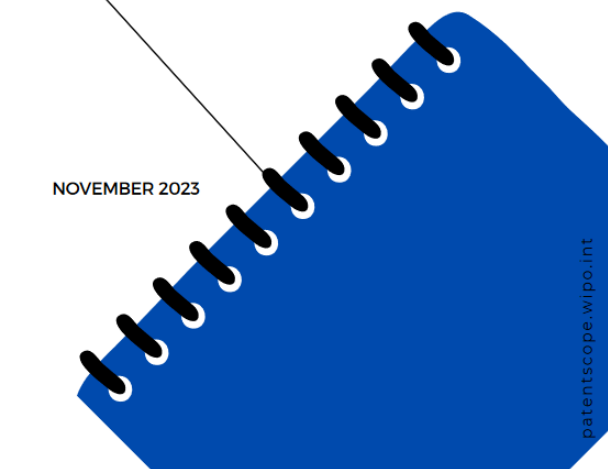
Practical exercises: booklets

wipo.int/patentscope/en



PATENTSCOPE exercise booklet

NOVEMBER 2023



Solutions

I. OPERATOR EXERCISES

1. B
A query with the operator OR will return documents having the keyword tennis or the keyword ball or both keywords.
2. AND; OR; ANDNOT; NOT; BEFORE; NEAR
3. No: query A will return documents having both keyword electric and bicycle with no more than 9 words between them and query B will return documents having the keyword electric before bicycle with no more than 9 words between the 2 keywords. In query B the order of words is taken into account whereas in query A the order is not relevant.
4. To search for an exact term or phrase, use quotation marks.
5. The operator NEAR allow to make sure that 2 keywords or more are close to each other in the result list. If no number is specified after near, the default maximum number of words is 5, the equivalent of NEAR5.
6. Query A as the operator NEAR makes sure that the 2 keywords appear close to each other, in this case no more than 4 words in between the 2 keywords.
7. Documents about microwave ovens will not be included.

II. FIELD EXERCISES

1.
 - a. retrieve documents in Japanese: **JA** (JA_AB; JA_TI...)
 - b. search information in all the parts of Chinese documents: **ZH_ALL**
 - c. look for a precise IPC code: **IC_EX**
 - d. look for an applicant: **PAA** (all data); **PA** (name)
 - e. retrieve information in the Spanish claims: **ES_CL**
 - f. search for all the information related to national phase entry data: **NPA**
 - g. search information in the text in French: **FR_ALLTXT**
 - h. retrieve latest kind codes: **DTY**
2.
 - a. The field **IC** and the field **IC_EX**?
IC = International Patent Classification including sub-groups
IC_EX = Specific international Patent Classification
 - b. The field **EN_ALL** and the field **EN_ALLTXT**
EN_ALL = English All → all parts in English including Applicant, Inventors etc.
EN_ALLTXT = English All Text → English text parts of the document such as description, claim, abstract
 - c. The columns **Countries** and **Offices** in the Analysis in the result list
Countries = national collections
Offices = national collections + PCT applications entering into national phase in those countries
3. NPCC:CN AND NPED:CN-2020*
4. IC:(C10L1/00) AND PCN:DE
5. ISA:US
6. AN:PL2019*



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Field
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Search terms...

Q

Query Examples

Offices
All

▼



Search for posts in this group



Home



My Network



Jobs



Messaging



Notifications



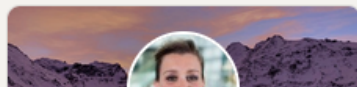
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For Business



Learning



Sandrine Ammann

Manager

Joined group: Apr 2024

Pending posts 0

Requests to join 0

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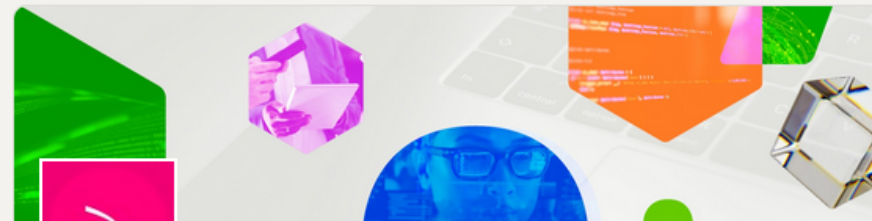
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403

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Unpin

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Sandrine Ammann • You

Marketing & Communications Officer at WIPO (United Nations agency for Intellect...
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- <https://www.wipo.int/reference/en/designdb/webinar/index.html>



sandrine.ammann@wipo.int

Case study 1

Search for patent
documents about
Atorvastatin



PATENTSCOPE Chemical compounds search

- Convert structure
- Upload structure
- Structure editor
- Found compounds
- Found Markush Formulas

Search type
Compound name

Type an accepted name, commercial name, CAS name, IUPAC name
atorvastatin

☐ Search for scaffold

☐ Include enumerated Markush structures

Offices
All

Reset

Show in editor

Exact Structure Search

CHEM:(XUKUURHRXDUEBC-KAYWLYCHSA-N



58,824 results Offices all Languages en Stemming true Single Family Member false Include NPL false



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< 1 / 589 >

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1. **2009542579** 結晶質および非晶質のアトルバスタチンナトリウム

JP - 03.12.2009

Int.Class [C07D 207/34](#) ⓘ Appl.No 2008526540 Applicant アロー インターナショナル リミテッド Inventor ツォウ, カイラン

結晶質アトルバスタチンナトリウム、それを含む組成物およびその生産方法。



2. **WO/2007/020421** CRYSTALLINE AND AMORPHOUS SODIUM ATORVASTATIN

WO - 22.02.2007

Int.Class [C07D 207/34](#) ⓘ Appl.No PCT/GB2006/003035 Applicant ARROW INTERNATIONAL LIMITED Inventor ZHOU, Kailan

Crystalline sodium atorvastatin, compositions containing the same and methods for the production thereof.

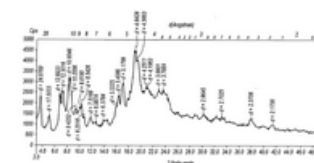


3. **20070066678** CRYSTALLINE SODIUM ATORVASTATIN

US - 22.03.2007

Int.Class [A61K 31/4025](#) ⓘ Appl.No 11504103 Applicant Arrow International Limited Inventor Zhou Kailan

Crystalline sodium atorvastatin, compositions containing the same and methods for the production thereof.



CHEM:(XUKUURHRXDUEBC-KAYWLYCHSA-N) OR EN_ALLTXT:atorvastatin



81,816 results

Offices all

Languages en

Stemming true

Single Family Member false

Include NPL false



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< 1 / 819 >

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1. **WO/2007/020421** CRYSTALLINE AND AMORPHOUS SODIUM **ATORVASTATIN**

WO - 22.02.2007

Int.Class **C07D 207/34** ? Appl.No PCT/GB2006/003035 Applicant ARROW INTERNATIONAL LIMITED Inventor ZHOU, Kailan

Crystalline sodium **atorvastatin**, compositions containing the same and methods for the production thereof.

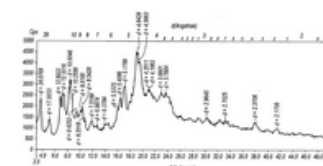


2. **20070066678** CRYSTALLINE SODIUM **ATORVASTATIN**

US - 22.03.2007

Int.Class **A61K 31/4025** ? Appl.No 11504103 Applicant Arrow International Limited Inventor Zhou Kailan

Crystalline sodium **atorvastatin**, compositions containing the same and methods for the production thereof.

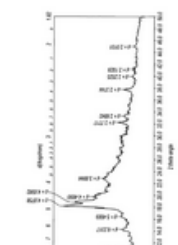


3. **20110218228** CRYSTALLINE SODIUM **ATORVASTATIN**

US - 08.09.2011

Int.Class **C07D 207/34** ? Appl.No 13112377 Applicant Zhou Kailan Inventor Zhou Kailan

Crystalline sodium **atorvastatin**, compositions containing the same and methods for the production thereof.



EN_ALLTXT:atorvastatin



57,515 results Offices all Languages en Stemming true Single Family Member false Include NPL false



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1. **128862** CRYSTALLINE [R-(R*)] - 2 - [4 - FLUOROPHENYL] - SS, δ - DELTA-DIHYDROXY - 5 - [1 - METHYLETHYL] - 3 - PHENYL - 4 - [PHENYLAMINO] CARBONYL - 1H - PYRROLE - 1 - HEPTANOIC ACID HEMI CALCIUM SALT [ATORVASTATIN]HYDRATE

IL - 03.12.2007

Int.Class Appl.No 128862 Applicant WARNER-LAMBERT COMPANY LLC Inventor



2. **128864** CRYSTALLINE FORM II [ATORVASTATIN] AND HYDRATES THEREOF, METHODS FOR ITS PREPARATION AND PHARMACEUTICAL COMPOSITIONS CONTAINING IT

IL - 31.10.2007

Int.Class Appl.No 128864 Applicant WARNER-LAMBERT COMPANY LLC Inventor

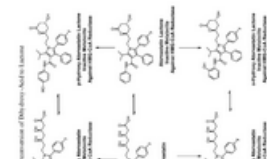


3. **20190008779** GEMCABENE COMPOSITIONS AND METHODS OF USE THEREOF

US - 10.01.2019

Int.Class A61K 9/28 ? Appl.No 15977226 Applicant GEMPHIRE THERAPEUTICS INC. Inventor Daniela Carmen ONICIU

The present invention provides pharmaceutical compositions comprising a statin and an outer coating, and optionally gemcabene, and methods of use thereof.



Case study 2

Find documents about:

Wind tower in Korean,
Japanese and Chinese



PATENTSCOPE Cross Lingual Expansion ▼

Search terms... *

wind tower|

Query Language"

English ▼

The language of your query

Expansion Mode:

☒ Automatic

☐ Supervised

Use the **Supervised** mode to select the technical domains, the relevant variants, the languages to translate your query to and the fields to search by

Precision level

High ▼

Influences the precision of the suggested variants.

Highest level considers only the most relevant ones (less suggested variants)

Lowest level considers the less relevant as well (more suggested variants)

Search

EN_AB:("wind tower" OR "wind turbine tower" OR "turbines tower"~21) OR FR_AB:("tour d'éolienne" OR "tour éolienne" OR "tour de turbine éolienne" OR "eolienne tour" OR "tour d'une éolienne" OR "éoli



17,551 results Offices all Languages en Stemming true Single Family Member false Include NPL false



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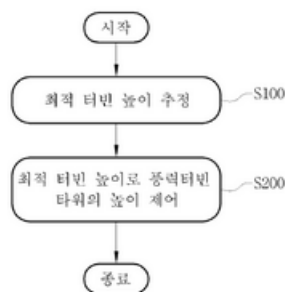
Machine translation ▼

1. **101080647*** HEIGHT CONTROL SYSTEM AND METHOD OF A WIND TURBINE TOWER WHICH CAN CONTROL THE HEIGHT OF A WIND POWER TURBINE IN ORDER TO GENERATE POWER AT A TERMINATION SPEED OF WIND

KR - 01.11.2011

Int.Class **F03D 7/02** ⓘ Appl.No 1020110060382 Applicant Inventor OH, KI YONG

PURPOSE: A height control system and method of a **wind turbine tower** is provided to maximize energy utilization and to improve energy generation of the wind **turbine**. CONSTITUTION: A height control system comprises next steps. The optimum height of a **wind turbine tower** is estimated corresponding to wind force change. A wind speed per height is measured. The height speed of wind measured is designated as a variable. A first coefficient and roughness of the ground surface are calculated. The wind speed per height is calculated according to the rightness of the ground surface in order to estimate the optimum height of the **wind turbine tower**. The noise, generated by the fixed frequency at the control signal controlling the height of the **wind turbine tower**, is eliminated. COPYRIGHT KIPO 2012

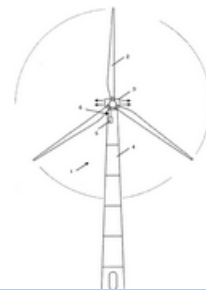


2. **2366141** PROCEDIMIENTO PARA AMORTIGUAR LAS OSCILACIONES DE UNA TURBINA EOLICA.


ES - 17.10.2011

Int.Class **F03D 11/00** ⓘ Appl.No 08854737 Applicant VESTAS WIND SYSTEMS A/S Inventor ØLLGAARD, Børge

The present invention relates to a method for damping oscillations in a wind **turbine** comprising a **wind turbine tower**, a nacelle arranged on top of said **wind turbine tower**, and a number of rotor blades rotatably connected to the nacelle. The oscillations to be damped originate from forces induced on the nacelle and the **wind turbine tower** by the rotating rotor blades. The method comprises the steps of providing an internally suspended pendulum mass structure being operationally connected to an upper tower section, providing a platform being fixedly attached to the upper tower section, and providing damping means comprising one or more friction members being displaceably arranged relative to the platform, the one or more friction members being adapted to be displaced relative to the platform in response to relative movements between the suspended pendulum mass structure and the platform in order to dissipate energy from the suspended pendulum mass structure by friction.



EN_AB:("wind tower" OR "wind turbine tower" OR "turbines tower"~21) OR FR_AB:("tour d'éolienne" OR "tour éolienne" OR "tour de turbine éolienne" OR "eolienne tour" OR "tour d'une éolienne" OR "éoli

 17,551 results Offices all Languages en Stemming true Single Family Member false Include NPL false



Full Query

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EN_AB:("wind tower" OR "wind turbine tower" OR "turbines tower"~21) OR FR_AB:("tour d'éolienne" OR "tour éolienne" OR "tour de turbine éolienne" OR "eolienne tour" OR "tour d'une éolienne" OR "éolienne construite") OR DE_AB:("Windturbinenturms" OR "Windturm" OR "Windenergieanlageturms" OR "Windradturms" OR "Windkraftanlagenturm" OR "Windturbine Turm" OR "Windturbinenturmaufzug") OR ES_AB:("torre eólica"~22 OR "torre viento"~22 OR "torre turbinas"~22 OR "torre de turbina eólica" OR "torre de aerogenerador" OR "torre de un aerogenerador" OR "torre de una turbina eólica") OR PT_AB:("torre eólica"~22 OR "torre vento"~22 OR "torre eàlica"~22 OR "torre turbinas"~22 OR "torre de turbina de vento") OR JA_AB:("風力塔" OR "風力タービン塔" OR "風力タービンタワー" OR "風車タワー" OR "風力発電タワー") OR RU_AB:("ветровой башни"~22 OR "ветровой башенного"~22 OR "ветра башни"~22 OR "ветра башенного"~22 OR "турбин башни"~22 OR "турбин башенного"~22 OR "ветряной башни"~22 OR "ветряной башенного"~22) OR ZH_AB:("风力涡轮机塔架" OR "风塔" OR "风车塔架" OR "风轮机塔架") OR KO_AB:("타워 풍력"~22 OR "풍력 터빈 타워" OR "윈드 터빈 타워" OR "타워 터빈의"~22 OR "타워 수차동력으로"~22) OR IT_AB:("eolica torre"~22 OR "turbine torre"~22 OR "vento torre"~22 OR "torre eolica" OR "torre per turbina a vento") OR NL_AB:("wind toren"~22 OR "turbines toren"~22 OR "windmolen toren"~22 OR "windturbineblad toren"~22 OR "wind fundament"~22 OR "turbines fundament"~22 OR "windmolen fundament"~22 OR "windturbineblad fundament"~22) OR PL_AB:("wiatrowej wieży"~22 OR "wiatrowej napowietrznej"~22 OR "wiatrowej wieża"~22 OR "wieża wiatrowa" OR "wiatru wieży"~22 OR "wiatru napowietrznej"~22 OR "wieży turbiny wiatrowej" OR "wiatru wieża"~22 OR "turbin wieży"~22) OR DA_AB:("vindmølleårn" OR "vind årn"~22 OR "vindenergianlæg årn"~22 OR "vindenergi årn"~22 OR "turbiner årn"~22 OR "vindkraftenergianlægs årn"~22 OR "vindmotorvinger årn"~22 OR "vindmotors årn"~22 OR "vindmølle årn"~22)

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< 1 / 176 >

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JA_AB:("風力塔" OR "風力タービン塔" OR "風力タービンタワー" OR "風車タワー" OR "風力発電タワー") OR ZH_AB:("风力涡轮机塔架" OR "风塔" OR "风车塔架" OR "风轮机塔架") OR KO_AB:("타워 풍력"~22 OR "풍력 터빈 타워" OR "윈드 터빈 타워" OR "타워 터빈의"~22 OR "타워 수차동력으로"~22)

☒ Query Assistant Query Examples



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Languages

English



Stemming



Single Family Member



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JA_AB:("風力塔" OR "風力タービン塔" OR "風力タービントワー" OR "風車タワー" OR "風力発電タワー") OR ZH_AB:("风力涡轮机塔架" OR "风塔" OR "风车塔架" OR "风轮机塔架") OR KO_AB:("타워 풍력")



3,351 results Offices all Languages en Stemming true Single Family Member false Include NPL false



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< 1/34 >

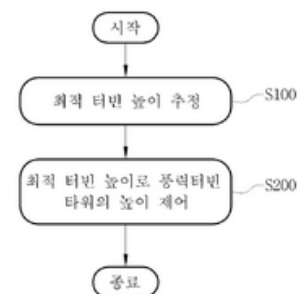
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1. **101080647*** HEIGHT CONTROL SYSTEM AND METHOD OF A WIND TURBINE TOWER WHICH CAN CONTROL THE HEIGHT OF A WIND POWER TURBINE IN ORDER TO GENERATE POWER AT A TERMINATION SPEED OF WIND

KR - 01.11.2011

Int.Class F03D 7/02 ⓘ Appl.No 1020110060382 Applicant Inventor OH, KI YONG

PURPOSE: A height control system and method of a wind turbine tower is provided to maximize energy utilization and to improve energy generation of the wind turbine. CONSTITUTION: A height control system comprises next steps. The optimum height of a wind turbine tower is estimated corresponding to wind force change. A wind speed per height is measured. The height speed of wind measured is designated as a variable. A first coefficient and roughness of the ground surface are calculated. The wind speed per height is calculated according to the rightness of the ground surface in order to estimate the optimum height of the wind turbine tower. The noise, generated by the fixed frequency at the control signal controlling the height of the wind turbine tower, is eliminated. COPYRIGHT KIPO 2012

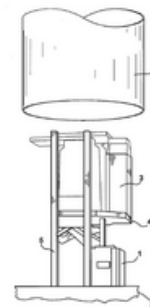


2. **1020090124950** FIXTURE FOR SETTING THE LOCATION OF A WIND TURBINE APPARATUS TO A BASE UNIT BEFORE INSTALLING A WIND TURBINE APPARATUS IN AN ENVELOPE OF A WIND TURBINE TOWER

KR - 03.12.2009

Int.Class F03D 11/04 ⓘ Appl.No 1020090045904 Applicant GENERAL ELECTRIC COMPANY Inventor LYNESS THOMAS E.

PURPOSE: A fixture for setting the location of a wind turbine apparatus to a base unit before installing a wind turbine apparatus is provided to accurately and quickly set the location of a structure and an apparatus on a tower base unit before installing a tower. CONSTITUTION: A fixture for setting the location of a wind turbine apparatus to a base unit before installing a wind turbine apparatus comprises a mounting section[15] and a positioning section[25]. The mount section is matched with a guide point of the predefined location on a base unit of a wind turbine tower. The positioning section is extended from the mounting section to the inside. The positioning section sets up the location of a wind turbine apparatus on the base unit for the wind turbine tower in the envelope inside the wind turbine tower. COPYRIGHT KIPO 2010



3. **1017940510000*** DIAGNOSTIC SYSTEM FOR WIND TURBINE TOWER AND BLADE

KR - 07.11.2017

Int.Class F03D 17/00 ⓘ Appl.No 1020160161862 Applicant (주)에너윈드 Inventor JEE, MOO KYUN


Case Study 3

Search documents having :

1. In the English abstract or English claims:
 “data transmission”
 “data transfer”
 “data communication”
2. 2023 as publication date
3. Qualcomm or Nokia as SEP declarant




PATENTSCOPE Advanced Search



(EN_AB:("data transmission" OR "data transfer" OR " data communication") OR EN_CL:("data transmission" OR "data transfer" OR " data communication")) AND DP:2023 AND SEP_DL:(Qualcomm OR Nokia)

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Query Examples

 Expand with related terms

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		Field Front Page	▼	Value	?
Operator AND	▼	Field WIPO Publication Number	▼	Value	?
Operator AND	▼	Field Application Number	▼	Value	?
Operator AND	▼	Field Publication Date	▼	Value	?
Operator AND	▼	Field English Title	▼	Value	?
Operator AND	▼	Field All Classifications	▼	Is Empty: N/A	▼
Operator AND	▼	Field Licensing availability	▼	<input type="checkbox"/>	

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PATENTSCOPE Advanced Search



(EN_AB:("data transmission" OR "data transfer" OR " data communication") **OR** EN_CL:("data transmission" OR "data transfer" OR " data communication")) **AND** DP:2023 **AND** SEP_DL:(Qualcomm OR Nokia)

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 [Expand with related terms](#)

Use (...) to group the 2 fields English abstract **EN_AB** and English claims **EN_CL** with the operator **OR**

Use (...) to group the keywords in the field **EN_AB** and **EN_CL**

(EN_AB:("data transmission" OR "data transfer" OR "data communication") OR
EN_CL:("data transmission" OR "data transfer" OR "data communication"))

Use DP for publication date and SEP_DEC for SEP declarant

DP:(2023) AND SEP_DL:(Qualcomm OR Nokia)

(EN_AB:("data transmission" OR "data transfer" OR "data communication") OR
EN_CL:("data transmission" OR "data transfer" OR "data communication"))
AND DP:(2023) AND SEP_DL:(Qualcomm OR Nokia)

Case study 4

Who is the top 3
applicants for India?



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Offices
India





1,198,780 results Offices IN Languages en Stemming true Single Family Member false Include NPL false



Analysis

Close

Filters Charts Timeseries

Countries		Offices		Applicants		Inventors		IPC code		CPC code		Publication Dates		Kind code		Publisher [NPL]	Journal [NPL]
India	752,286	India	1,198,780	QUALCOMM INC	45,398	LUO, TAO	1,665	A61K	122,911	a61p	56,226	1989	1	A	998,780		
PCT	446,494	PCT	446,494	HUAWEI TECH CO LTD	14,863	CHEN, WANSHI	928	G06F	78,885	a61k	54,997	1990	0	B	200,000		
		China	354,395	SAMSUNG ELECTRONICS CO LTD	14,529	GAAL, PETER	905	H04W	78,206	h04w	50,330	1991	0				
		United States of America	230,933	KONINKLIJKE PHILIPS ELECTRONICS NV	11,160	LI, JUNYI	894	H04L	74,768	h04l	48,278	1992	0				
		Republic of Korea	205,788	TELEFONAKTIEBOLAGET LM ERICSSON [PUBL]	10,733	ZHANG, XIAOXIA	767	C07D	58,309	g06f	29,169	1993	1				
		Brazil	107,675	KONINKLIJKE PHILIPS NV	7,407	SUN, JING	710	A61B	40,190	c07d	28,665	1994	2				
		Australia	98,844	BASF SE	6,959	NA	524	A61P	39,888	y02e	23,134	1995	2				
		Russian Federation	84,098	ROBERT BOSCH GMBH	6,771	AKKARAKARAN, SONY	474	H04N	35,697	y10t	18,516	1996	1				
		Mexico	80,352	MICROSOFT TECH LICENSING LLC	6,553	ZHOU, YAN	465	G06Q	32,616	h04b	17,791	1997	5				
		Canada	64,833	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH	5,467	SHELTON, IV, FREDERICK E.	450	G01N	31,524	c12n	17,587	1998	7				
		New Zealand	50,475	SIEMENS AG	5,334	MANOLAKOS, ALEXANDROS	434	C12N	30,415	c07k	17,461	1999	2,261				
						GAAL PETER	414	C07C	29,838	h04n	15,541	2000	5,531				
						SRINIVASAN	411	H04B	25,323	c07c	14,873	2001	6,603				
										y02p	14,738						

Analysis

Close

Filters Charts Timeseries

Countries		Offices		Applicants		Inventors		IPC code		CPC code		Publication Dates		Kind code		Publisher [NPL]	Journal [NPL]
India	752,286	India	752,286	QUALCOMM INC	21,392	LUO, TAO	1,665	A61K	70,413	y02e 10/72	64	2005	9,093	A	552,286		
				SAMSUNG ELECTRONICS CO LTD	8,527	CHEN, WANSHI	928	G06F	54,872	b65h 2701/31	47	2006	7,968	B	200,000		
				HUAWEI TECH CO LTD	7,202	GAAL, PETER	905	H04L	44,441	y02e 60/10	45	2007	56,606				
				TELEFONAKTIEBOLAGET LM ERICSSON [PUBL]	5,587	LI, JUNYI	894	H04W	40,092	y02t 10/12	45	2008	28,730				
				COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH	5,177	ZHANG, XIAOXIA	767	C07D	32,210	y02t 10/70	41	2009	43,098				
						SUN, JING	710	A61B	28,256	y02a 50/30	39	2010	31,025				
						NA	524	G06Q	25,838	a61p 35/00	38	2011	22,169				
				KONINKLIJKE PHILIPS ELECTRONICS NV	4,985	AKKARAKARAN, SONY	474	H04N	22,936	y02p 70/50	34	2012	30,911				
				KONINKLIJKE PHILIPS NV	4,765	ZHOU, YAN	465	G01N	20,292	y02e 10/40	31	2013	28,814				
				ROBERT BOSCH GMBH	4,632	SHELTON, IV, FREDERICK E.	450	C07C	16,811	a61p 31/04	30	2014	37,059				
				GENERAL ELECTRIC COMPANY	4,015	MANOLAKOS, ALEXANDROS	434	C12N	16,270	a61p 43/00	28	2015	45,354				
				BASF SE	3,734	GAAL PETER	414	H01L	15,499	a61k 45/06	27	2016	81,957				
				HONDA MOTOR CO LTD	3,636	SRINIVASAN THIRUMALAI RAJAN	411	C07K	13,826	g06q 10/06	27	2017	44,292				
				MICROSOFT TECH LICENSING LLC	3,630			H04B	13,407	a61k 9/08	22	2018	38,588				
						TANG, HAI	407	A61P	13,334	y02a 50/20	22	2019	48,927				
								B01D	12,706								

Case study 5

Using the Field combination,
search for documents having :

- in the English abstract
- the keywords **pet care**



PATENTSCOPE Field Combination ▾

	Field	Value	?
	Front Page		
Operator	Field	Value	?
AND	WIPO Publication Number		
Operator	Danish Description	Value	?
AND	Danish Text		
Operator	Danish Title	Value	?
AND	Designated States		
Operator	Dutch Abstract	Value	?
AND	Dutch All		
Operator	Dutch Claims	Value	?
AND	Dutch Description		
Operator	Dutch Text	Is Empty:	?
AND	Dutch Title	N/A	
Operator	English Abstract	<input type="checkbox"/>	
AND	English All		
	English Claims		
	English Description		
	English Text		
	English Title		
Offices	Estonian Abstract		
All	Estonian All		

(+) Add another search field (-) Reset search fields

Operator AND	▼	Field English Abstract	▼	Value pet care	?
Operator AND	▼	Field Application Number	▼	Value	?
Operator AND	▼	Field Publication Date	▼	Value	?
Operator AND	▼	Field English Title	▼	Value	?
Operator AND	▼	Field All Classifications	▼	Is Empty: N/A	▼
Operator AND	▼	Field Licensing availability	▼	<input type="checkbox"/>	

 Add another search field  Reset search fields

Offices All	▼
Languages English	▼
<input checked="" type="checkbox"/> Stemming	
<input type="checkbox"/> Single Family Member	
<input type="checkbox"/> Include NPL	

1,798 results

Reset

Search

Operator AND	▼	Field English Abstract	▼	Value "pet care"	?
Operator AND	▼	Field Application Number	▼	Value	?
Operator AND	▼	Field Publication Date	▼	Value	?
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Operator AND	▼	Field All Classifications	▼	Is Empty: N/A	▼
Operator AND	▼	Field Licensing availability	▼	<input type="checkbox"/>	

+ Add another search field − Reset search fields

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Languaqes English	▼
<input checked="" type="checkbox"/> Stemming	
<input type="checkbox"/> Single Family Member	
<input type="checkbox"/> Include NPL	

Operator AND	▼	Field English Abstract	▼	Value pet NEAR4 care	?
Operator AND	▼	Field Application Number	▼	Value	?
Operator AND	▼	Field Publication Date	▼	Value	?
Operator AND	▼	Field English Title	▼	Value	?
Operator AND	▼	Field All Classifications	▼	Is Empty: N/A	▼
Operator AND	▼	Field Licensing availability	▼	<input type="checkbox"/>	

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☒ Stemming

☐ Single Family Member

☐ Include NPL