



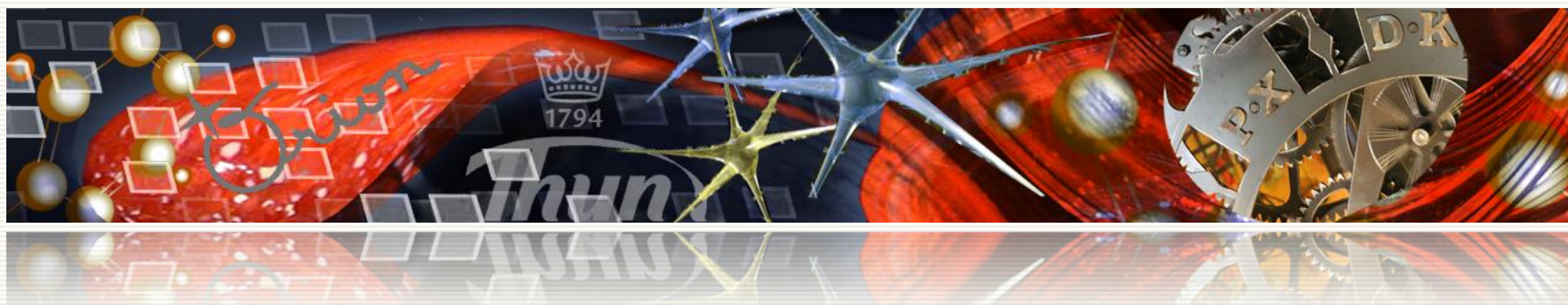
Japonsko

patentová databáze - PAJ

Ing. Jarmila Avratová



Brno 2017





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JAPAN PATENT OFFICE

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The Japan Patent Office (The JPO) exchanged opinions with the American Intellectual Property Law Associations(AIPLA)

Commissioner's Message

Purpose :
J-PlatPat
Search(Patent, Design, Trademark, etc.)

Filings
Fees
Procedures

Examinations
Utilization of IP rights
Laws and Regulations

Public Relations Information
JPO's Video

What's New Press Releases Topics

Announcements 10 May. [Manual for Trial and Appeal Proceedings \(16th edition\)](#)

Announcements 10 May. [Mock Oral Proceeding](#)

Press Releases 9 May. [Quality of Patent Examination for Standards-Related Inventions Improved \(External link \)](#)

Announcements 9 May. [Training Programs\(short\)](#)
[Training Programs\(middle\)](#)

Announcements 1 May. [PPH pilot program between the Japan Patent Office \(JPO\) and the Taiwan Intellectual Property Office \(TIPO\)](#)

Announcements 26 April. [Guidelines \(Requirements and procedures in detail\) and Request form](#)

Announcements 26 April. [Celebrating World IP Day 2017](#)

Announcements 26 April. [Preliminary Statistical Data on Applications, Requests and Registrations](#)

Announcements 25 April. [The Japan Patent Office \(The JPO\) exchanged opinions with the American Intellectual Property Law Associations\(AIPLA\)](#)

Announcements 24 April. [The Japan Patent Office \(The JPO\) had exchange of opinions with Mr. Rader, former Chief Judge, of the United States Court of Appeals for the Federal Circuit](#)

Announcements 24 April. [FI Revision Information](#)

Announcements 21 April. [WIPO/JAPAN Fund Training Course on the Enforcement of Intellectual Property Rights for Judges Conducted](#)


Patentová
databáze

Information related to:

Patents	Utility models	Designs
Trademarks	Appeals / Trials	International Applications [PCT/Madrid/Hague]




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National Center for Industrial Property Information and Training

Patent & Utility Model Design Trademark

Number search Classification search Text search Classification

Patent & Utility Model

- Patent & Utility Model Number Search
- Design Number Search

Design

- FI/F-term Search
- Design Classification Search

Trademark

- PAJ
- Japanese Trademark Database
- Searching Goods & Services
- Japanese Well-Known Trademark

Classification

- Patent Map Guidance(PMGS)
- Japanese Design Classification List
- Table of the Classification of Figurative or Other Elements of Marks

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- European Patent Office(EPO)
 - Espacenet
- Office for Harmonization in the Internal Market(OHIM)
 - Design(e-search plus)(Design view)
 - TradeMark(e-search plus)(TM view)
- United States Patent and Trademark Office(USPTO)
 - Patent/Design(Patent Fulltext Database)
 - TradeMark(TESS)
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Access Total : 38,609

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You can retrieve a variety of patent and utility model gazettes by their numbers.

Vyhledávání podle čísel

Publication issued, and updates schedule, please refer to the [NEWS](#).

Document Number

Kind	Document Number
Patent application number	e.g. 2015-00012X 2015-12X H27-00012X
A:Publication of patent application	
Patent appeal/trial number	A:Publication of patent application
	2017-020821

[+ Add](#)

Data Coverage Information(Patent & Utility Model Number Search)

The coverage of available documents is following. [Click here for PAJ Stored Data Information.](#)

Document Description
A:Publication of unexamined patent application
A:Publication of PCT application(patent)
B:Publication of examined patent application
B:Publication of granted patent application
C:Patent specification
H:Corrected patent specification
U:Publication of unexamined utility model application
U:Publication of PCT application(utility model)
U:Publication of registered utility model application
U1:Unexamined utility model specification
Y:Publication of examined utility model
Y:Publication of granted utility model
Z:Examined utility model specification
I:Corrected utility model specification
A1:Domestic re-publication of PCT publication
N1:Journal of technical disclosure

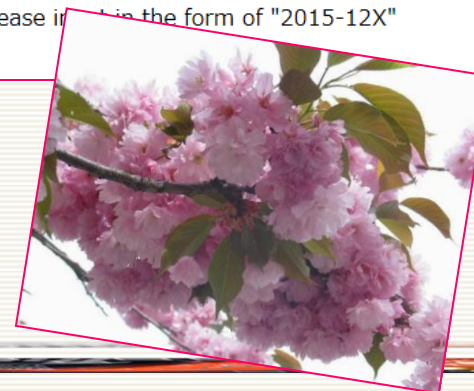
Coverage of Documents

1971-000001	- 2015-091219
1979-500001	- 2015-513391
1922-000001	- 1996-034772
2500001	- 5715630
0000001	- 0216017
0000072	- 0000814
1971-000001	- 2006-000001
1979-500001	- 1998-500001
3000001	- 3197312
1971-000001	- 1992-138600
1922-000001	- 1996-011090
2500001	- 2607899
0000001	- 0406203
0000032	- 0000330
79/000329	- 2013/122088
87/003986	- 10/506096

[Search](#)

[Data Coverage](#)

it document number, please input in the form of "2015-12X"





Kind		Entry examples("X" of an end shows any number)
1	Patent application number	Example) If you want to search for patent application 2015-00012X. 2015-00012X or H27-00012X The leading zeros in the serial number can be omitted(entirely). 2015-00012X → 2015-12X "-" can be omitted. 2015-00012X → 201500012X
2	A: Publication of patent application(A)	
3	Utility model application number	
4	U1: Unexamined utility model specification	
5	A1: Domestic re-publication of PCT publication	
6	Patent appeal/trial number	
7	Utility model appeal/trial number	
8	B: Publication of examined/granted patent	Example) If you want to search for Patent 123456X. 123456X The leading zeros in the serial number can be omitted(entirely). 000020X → 20X
9	U: Publication of utility model application	
10	Y: Publication of examined/granted utility model	Example) If you want to search for patent publication application 2015-00012X. 2015-00012X or H27-00012X The leading zeros in the serial number can be omitted(entirely). 2015-00012X → 2015-12X "-" can be omitted. 2015-00012X → 201500012X
11	C: Patent specification	
12	Z: Examined utility model specification	Example) If you want to search for Patent specification 123456X. 123456X The leading zeros in the serial number can be omitted(entirely). 000020X → 20X
13	I: Corrected utility model specification	
14	N1: Journal of technical disclosure	Example) If you want to search for Journal of technical disclosure "2015/00123X". 015-00123X

Nápověda

- Pozor na číslování dokumentů – letopočet je součástí čísla dokumentu a mění se podle panování toho kterého císaře a nový způsob od r. 1996
- Platnost patentu 20 let, zveřejnění po 18 měsících; užitný vzor 6 let



Document types & kind codes

KOKAI (A, U) 公開

- unexamined patent publication (A)
- unexamined utility model publication (<1994) (U)

KOKOKU (B, Y) 公告

- examined patent publication (<1996) (B)
- examined utility model publication (<1994) (Y)

TOROKU (B, U) 登録

- granted patent publication (B)
- registered utility model publication (U)

Druhy dokumentů Kind kódy

Document types & kind codes

KOHOYO (A, T) 公表

- PCT application entering national phase in
- Japan (A, T)

SAIKOHOYO (A) 再公表

- Japanese PCT application entering national
- phase in Japan (A)



The numbering system

yy-nnnnnn

- two digits for the Japanese year (y)
- up to six digits for the number (n)
- for: application number, unexamined publication number, examined publication number (old law)

yyyy-nnnnnn

- four-digit Western years (from 2000 onwards)
- for: application number, unexamined publication number

nnnnnnn

- seven digit number (n), no year
- for: grant numbers

Číselné systémy

The Japanese imperial years

SHOWA (SHO, S) 昭和

- reign of Emperor Hirohito
- 1926 (= Showa 1) to 1989 (= Showa 64)

HEISEI (HEI, H) 平成

- reign of Emperor Akihito
- 1989 (= Heisei 1) to date

SHOWA + 1925 = Western year
HEISEI + 1988 = Western year

NOTE: Showa 64 = Heisei 01 = 1989!

Zdroj EPO



Informace v angličtině

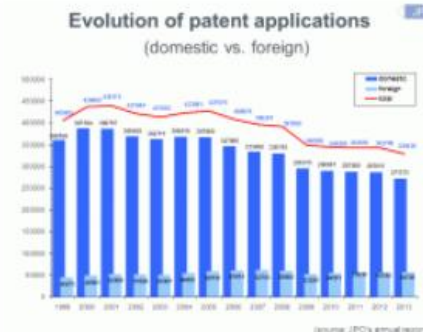
- Všechna průmyslová práva od r. 1885
- Abstrakta patentových přihlášek od r. 1976
- Celé japonské dokumenty (stránka po stránce)
- Strojový překlad plných textů od r. 1993

Právní stavy od r. 1990

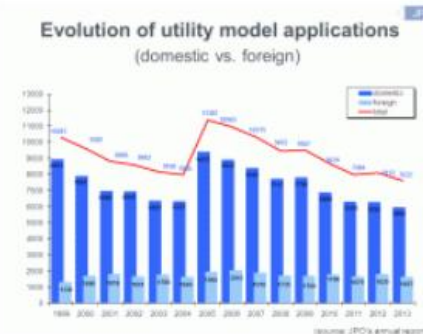
Facts and figures - Japan

Click on the text links to enlarge the graphs:

[Evolution of patent applications in Japan](#) (GIF, 29 KB)



[Evolution of utility model applications in Japan](#) (GIF, 29 KB)





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Publication issued, and updates schedule, please refer to the [NEWS](#).

Kind(This choice can be omitted. When you have no check, all Kinds are chosen.)

☐Patent(A, A1, B) ☐Patent specification(C)
☐Utility model(U, U1, A1, Y) ☐Examined utility model specification(Z)

Theme code

FI/F-term

Publication Date

from: -to:

Priority of search result display

☐Unexamined applications(A, U, U1, A1) ☒Examined/Granted applications(B)

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Search results: [70](#) [View list](#)

nápověda

Theme code

Search item	Entry example
Theme	To search for the theme code "2B001": 2B001

For details of F-term theme, please refer to [Patent Map Guidance](#).
Click [here](#) to see the input format of F-term to the FI/F-term query box.

[↑ To return to the top of this page](#)

FI/F-term

Search item	Entry examples								
F-term	Separate input format of F-term: Input theme "5D044" and viewpoint "DD01" separately. <table><tr><td>Theme box</td><td>5D044</td></tr><tr><td>FI/F-term/facet query box</td><td>DD01</td></tr></table> Full input format of F-term: Input theme "5D044" and viewpoint "DD01" to the FI/F-term query box, together. <table><tr><td>Theme box</td><td>no entry</td></tr><tr><td>FI/F-term/facet query box</td><td>5D044DD01</td></tr></table> *If you input F-term theme to both the Theme box and the query box, the AND operation will be performed. Some combinations of F-term theme and viewpoint have the additional code to subdivide the viewpoints. If the F-term has the additional code, you can input it with ".". 2E110GA03.W *If you use only "." with viewpoint, all of the viewpoints with the additional code will be searched. (e.g. "GA03" is just GA03. "GA03." is GA03.W, GA03.X, GA03.Y and GA03.Z) On the gazettes, the "." for the additional code is omitted. (e.g. "GA03.W" is for search query "GA03W" is for gazette display)	Theme box	5D044	FI/F-term/facet query box	DD01	Theme box	no entry	FI/F-term/facet query box	5D044DD01
Theme box	5D044								
FI/F-term/facet query box	DD01								
Theme box	no entry								
FI/F-term/facet query box	5D044DD01								



Patent Map Guidance(PMGS) [? Help](#)

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Inquiry Search by Keyword **IPC-FI Concordance Search**

After selecting the query entry screen, Please click each classification, or input a classification into an input box and click.

FI ([Classification](#))

Query Screen

Classification

☒ FI ☐ FI Handbook

e.g. B22F B22F1 B22F1/00 B22F1/00A

[Search](#)

F-term ([Classification](#))

Query Screen

Classification

☒ F-term List ☐ F-term Description

e.g. 4K018

[Search](#)

Display Type

☒ List

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Inquiry Search by Keyword **IPC-FI Concordance Search**

Input IPC code to the query box and click Search button.

Classification

A01B

[Search](#)

Display Type

☒ List ☐ Target ☐ The same Hierarchy

IPC	FI
A01B1/00	A01B1/00
A01B1/02	A01B1/02
A01B1/04	A01B1/04
A01B1/06	A01B1/06
A01B1/08	A01B1/08
A01B1/10	A01B1/10
A01B1/12	A01B1/12
A01B1/14	A01B1/14
A01B1/16	A01B1/16





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Information on Classification/F-term: [Patent Map Guidance\(old version\) in Japanese](#) [Classification](#) [International Patent Classification\(WIPO\)](#)

InquirySearch by Keyword**IPC-FI Concordance Search**

Input IPC code to the query box and click Search button.

Classification

A61K31/728

Classification

A61K31/728

Search

Display Type

☒ List☐ Target☐

Concordance List [IPC→FI]

IPC Code

A61K31/728

Search

Display Type

☒ List☐ Target☐ The same Hierarchy

Result

Hit count is 1.

IPC	FI
A61K31/728	A61K31/728

• A61K31/728	4	Hyaluronic acid [7]	Example: Heparin fig
• A61K31/729	3	Agar; Agarose; Agaropectin [7]	
• A61K31/731	3	Carrageenans [7]	
• A61K31/732	3	Pectin [7]	



Japonské patentové třídění

Patent Map Guidance(PMGS) [Back](#) [Help](#) [Upper hierarchy](#)

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FI Class Selection

A class of the "A" section can be chosen on this screen. Click on a class to display the lower hierarchy.

FI Class	Explanation
AGRICULTURE	
• A01	AGRICULTURE; FORESTRY; ANIMAL HUSBANDRY; HUNTING; TRAPPING; FISHING
FOODSTUFFS; TOBACCO	
• A21	BAKING; EQUIPMENT FOR MAKING OR PROCESSING DOUGHS; DOUGHS FOR BAKING[1,8]
• A22	BUTCHERING; MEAT TREATMENT; PROCESSING POULTRY OR FISH
• A23	FOODS OR FOODSTUFFS; THEIR TREATMENT, NOT COVERED BY OTHER CLASSES
• A24	TOBACCO; CIGARS; CIGARETTES; SMOKERS' REQUISITES
PERSONAL OR DOMESTIC ARTICLES	
• A41	WEARING APPAREL

Patent Map Guidance(PMGS) [Back](#) [Help](#)

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Group of Theme Selection

A group can be chosen on this screen. Click on a group to display the Theme Selection.

[2B](#) [2C](#) [2D](#) [2E](#) [2F](#) [2G](#) [2H](#) [2K](#) [2N](#)
[3B](#) [3C](#) [3D](#) [3E](#) [3F](#) [3G](#) [3H](#) [3J](#) [3K](#) [3L](#)
[4B](#) [4C](#) [4D](#) [4E](#) [4F](#) [4G](#) [4H](#) [4J](#) [4K](#) [4L](#) [4M](#)
[5B](#) [5C](#) [5D](#) [5E](#) [5F](#) [5G](#) [5H](#) [5J](#) [5K](#) [5L](#) [5M](#)

Theme Selection

A Theme contained in the group "2B" can be chosen on this screen. Click on a theme to display the lower hierarchy.

[2B001](#) Rice transplanter frames
[2B002](#) Finished plywoods (secondary processing of veneers or plywoods)
[2B003](#) ARTIFICIAL FISH REEFS
[2B005](#) Feed for specific animals
[2B011](#) Mushroom Cultivation
[2B012](#) Cutting tools for gardening
[2B013](#) Forestry
[2B019](#) FISHING RODS
[2B022](#) CULTIVATION OF PLANTS
[2B023](#) Supports for plants
[2B024](#) Protection of plants
[2B025](#) Watering
[2B026](#) Cultivation of seaweed
[2B027](#) Cultivation receptacles (e.g., pots for planting)
[2B029](#) GREENHOUSES
[2B030](#) Breeding of plants and reproduction by means of culturing
[2B031](#) Land cultivation machines 1 (manual machines)
[2B032](#) SOIL WORKING IMPLEMENTS (2) PLOUGHS OR HARROWS



PAJ

Searching PAJ ? Help

You can retrieve the PAJ (Patent Abstracts of Japan) by keywords.

Publication issues, and updates schedule, please refer to the [NEWS](#)

Abstract

e.g. computer semiconductor

AND
OR

Title of invention

e.g. computer semiconductor

AND ▼

Applicant

e.g. JPO

AND ▼

Publication Date

from: e.g. 20150101 - to: e.g. 20150331

IPC

e.g. B22F1/00 B22F3/00

Search



Nápověda

Searching PAJ HELP Search screen [← Searching PAJ HELP](#)

Abstract

AND ▼

Title of invention

AND ▼

Applicant

AND ▼

Publication Date

from:

-

to:

IPC

Abstract, Title of invention, Applicant

Search Items

Abstract
Title of invention
Applicant

Entry Examples

If you want to search for PAJ including both "computer" or "semiconductor" in abstract,
Input "computer semiconductor" to the Abstract box and select "OR" from pull down menu.

If you want to search for PAJ including the "KEVIN" in applicant and including the "computer" invention,
Input "KEVIN" to the Applicant box and input "computer" to the Title of invention box.

*The following characters are registered as delimiter of the index of a text search engine.

Delimiter character

(space)	(tab)	!
"	#	\$
%	&	'
()	*
+	,	-
.	/	:
>	<	=
?	@	[
¥]	^
-	`	{
	}	~

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The AND operation will be performed among each box.

* Abstract box, Title of invention box, Applicant box, Publication Date box, IPC box.

1	Abstract Title of invention Applicant	<p>You can search the PAJ by any keywords input in the Text Search boxes.</p> <ul style="list-style-type: none"> You can enter multiple keywords separated by a SPACE in one box like "computer semiconductor". Select AND/OR operation from the pull down menu on the right. The maximum number of characters that can be entered is 200. One letter words or Stopwords are not searchable.
2	Publication Date	You can search the PAJ that is published in the specified range of date.
3	IPC	You can search the PAJ by any IPC input in the IPC boxes.



Výsledky

Abstract

Title of invention

Applicant

Search results: **110**

Results

110 documents are found for "aerogel aerogel". Documents 1 to 110 out of 110 hits are displayed.

No.	Publication No.	Title of invention
1	2017 - 020041	AEROGEL AND MATTING AGENT MADE OF AEROGEL
2	2016 - 216283	AEROGEL, METHOD FOR PRODUCING AEROGEL AND AEROGEL FILM
3	2016 - 128157	PRODUCTION METHOD OF SILICA AEROGEL FILM
4	2016 - 098117	GRAPHENE OXIDE FOAM, GRAPHENE OXIDE/CARBON NANOTUBE COMPOSITE FOAM, GRAPHENE AEROGEL OR GRAPHENE/CARBON NANOTUBE COMPOSITE AEROGEL, AND THEIR PRODUCTION METHOD
5	2016 - 074841	FLEXIBLE AEROGEL COMPOSITE AND PRODUCTION PROCESS THEREFOR
6	2016 - 001605	AEROGEL COMPOSITE MATERIALS WITH FIBROUS BATTING
7	2015 - 229621	HYDROPHOBIC AEROGEL POWDER, METHOD OF MANUFACTURING THEREOF, AND FILLER USING THEREOF
8	2015 - 221748	AEROGELS OF CARBON NANOTUBES
9	2015 - 203179	PRODUCTION APPARATUS AND PRODUCTION METHOD OF THERMAL INSULATING FABRICS USING CARDING AND PERMEATING AEROGEL
10	2015 - 189661	METHOD FOR PRODUCING SILICA AEROGEL
11	2015 - 145334	AEROGEL COMPOSITES AND METHODS FOR MAKING AND USING THEM
12	2015 - 110520	AEROGEL COMPOSITIONS AND METHODS OF MAKING AND USING THEM
13	2015 - 078096	METHOD FOR PREPARING HYDROTHERMALLY PREPARED GRAPHENE/CNT COMPOSITE AEROGEL, HYDROTHERMALLY PREPARED GRAPHENE/CNT COMPOSITE AEROGEL, AND ELECTRODE FOR SEPARATION AND DETECTION OF UA, DA, AND AA
14	2014 - 205237	AEROGEL-BASED MOLD FOR MEMS FABRICATION AND FORMATION METHOD THEREOF
15	2014 - 058747	METHOD FOR PRODUCING AEROGEL WITH PORE PART, AEROGEL WITH PORE PART, METHOD FOR PRODUCING RESTORABLE HYDROGEL AND RESTORABLE HYDROGEL
16	2014 - 051643	TWO AGENT TYPE MATERIAL FOR AEROGEL MOLDED BODY, THERMAL INSULATION MATERIAL AND METHOD FOR MANUFACTURING THERMAL INSULATING MATERIAL
17	2014 - 040750	HEAT INSULATING MATERIAL USING AEROGEL



Detail

Bibliografie

2013-203804

[Data Coverage](#) [Image Data\(Japanese\)](#) [Legal Status](#)

(11)Publication number : 2013-203804

(43)Date of publication of application : 07.10.2013

(51)Int.Cl. : C09C 1/28 (2006. 01)
C09C 1/00 (2006. 01)
C01B 33/193 (2006. 01)
C09D 17/00 (2006. 01)
C09D 201/00 (2006. 01)
C09D 7/12 (2006. 01)
C09C 3/12 (2006. 01)

(21)Application number : 2012-072035

(22)Date of filing : 27.03.2012

(71)Applicant : TOKUYAMA CORP

(72)Inventor : ARIFUKU NAOKI
FUKUJU TADAHIRO
NISHITAKE TOSHIHIRO

(54)**AEROGEL AND MATTING AGENT COMPRISING THE SAME**

(57)**Abstract**
PROBLEM TO BE SOLVED: To provide a matting agent which has a higher matting specifically, can obtain characteristics of both of low degree of gloss of a coating film excellent smoothness on a coating film surface at the same time.
SOLUTION: The decrease of particles which do not contribute to a matting effect, decrease of coarse particles for deteriorating smoothness on a coating film surface in order to obtain lower degree of gloss and excellent smoothness, and aerogels having various particle sizes or particle size distribution, are studied. As a result, a matting agent having a higher matting effect such that a smooth coating surface can be obtained while the quantity of particles not contributing the matting is reduced and the degree of gloss is efficiently lowered, by making the particle size distribution of an additive fine and sharp particle size distribution that is D10/D90 is ≥ 0.3 , can be obtained.

[Full Text\(Machine Translation\)](#)

JP,2013-203804,A

[Detail](#) [Image](#)

[CLAIMS](#) [DETAILED DESCRIPTION](#)
[TECHNICAL FIELD](#) [PRIOR ART](#) [EFFECT OF THE INVENTION](#) [TECHNICAL PROBLEM](#) [MEANS](#) [EXAMPLE](#) [DESCRIPTION OF DRAWINGS](#) [DRAWINGS](#)

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3.In the drawings, any words are not translated.

CLAIMS

[Claim(s)]

[Claim 1]

Aerogel whose ratio (D10/D90) of D10 to D90 measured by the Coulter counter method it is hydrophobic aerogel and is 0.3 or more. (However, D10 expresses particle diameter of a value of frequency 10% from the one where particle diameter of a cumulative-particle-size-distribution curve of a volume reference is smaller, and D90 expresses particle diameter of a value of frequency the said 90%).

[Claim 2]

The aerogel according to claim 1 whose peaks of pore volume according [specific surface area by a BET adsorption method] to 400-1000m²/g and the BJH method and a pore radius are 3 - 8 mL/g and 10-40 nm respectively.

Patentové nároky



JP,2013-203804,A

Popis

Detail Image

CLAIMS DETAILED DESCRIPTION

TECHNICAL FIELD PRIOR ART EFFECT OF THE INVENTION TECHNICAL PROBLEM MEANS EXAMPLE DESCRIPTION OF DRAWINGS DRAWINGS

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- 2.*** shows the word which can not be translated.
- 3.In the drawings, any words are not translated.

DETAILED DESCRIPTION

[Detailed Description of the Invention]

[Field of the Invention]

[0001]

The present invention relates to the aerogel which reveals good lusterless nature when it uses as a flatting, and the lusterless paint containing the flatting which consists of the aerogel, and the flatting.

[Background of the Invention]

[0002]

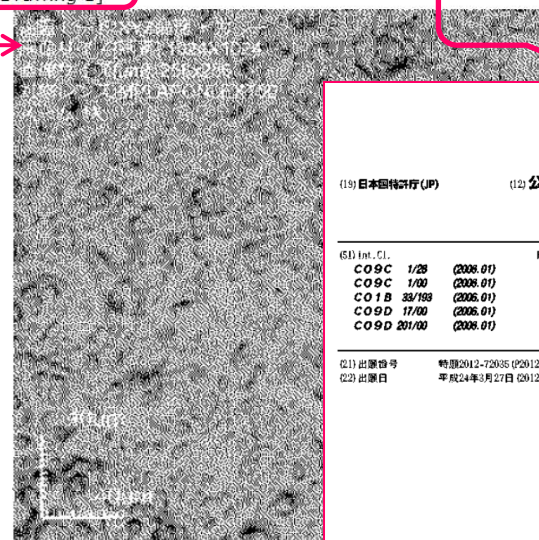
Aerogel has very small bulk density, high porosity, and about 10-100-nm fine pores. From these characteristics, aerogel is used in wide range uses, such as an insulator, a flatting, a catalyst, and cosmetics.

[0003]

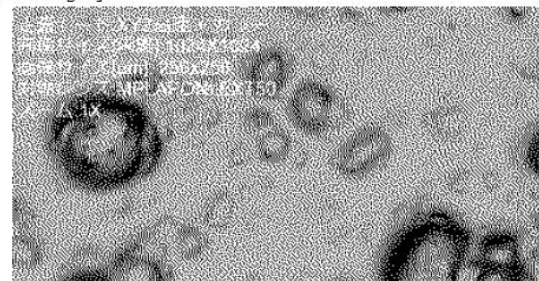
On the other hand, a metallic oxide, especially silica have been blended with the coating in order to acquire sensibility of "grinding." A general lusterless effect is that addition particles form unevenness in a paint film surface, and is acquired by carrying out scattered reflection of the light. Since a scattering effect will be lost if this unevenness is shorter than the wavelength of visible light, unevenness needs to be larger than the wavelength of visible light. However, if

DRAWINGS

[Drawing 1]



[Drawing 2]



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最終頁に続く

(54) 【発明の名称】 エアロゲル及び該エアロゲルからなる塗布シ膜




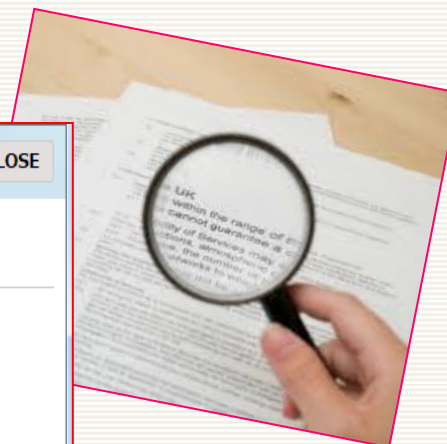
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