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Patent Quality Chat Improving Access to Global Patent Data

July 10, 2018

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Patent Quality

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Highlights



[Patent Quality Chat](#)

Our next Patent Quality Chat will be on July 10th discussing "Improving Access to Global Patent Data".

[Quality Metrics](#)

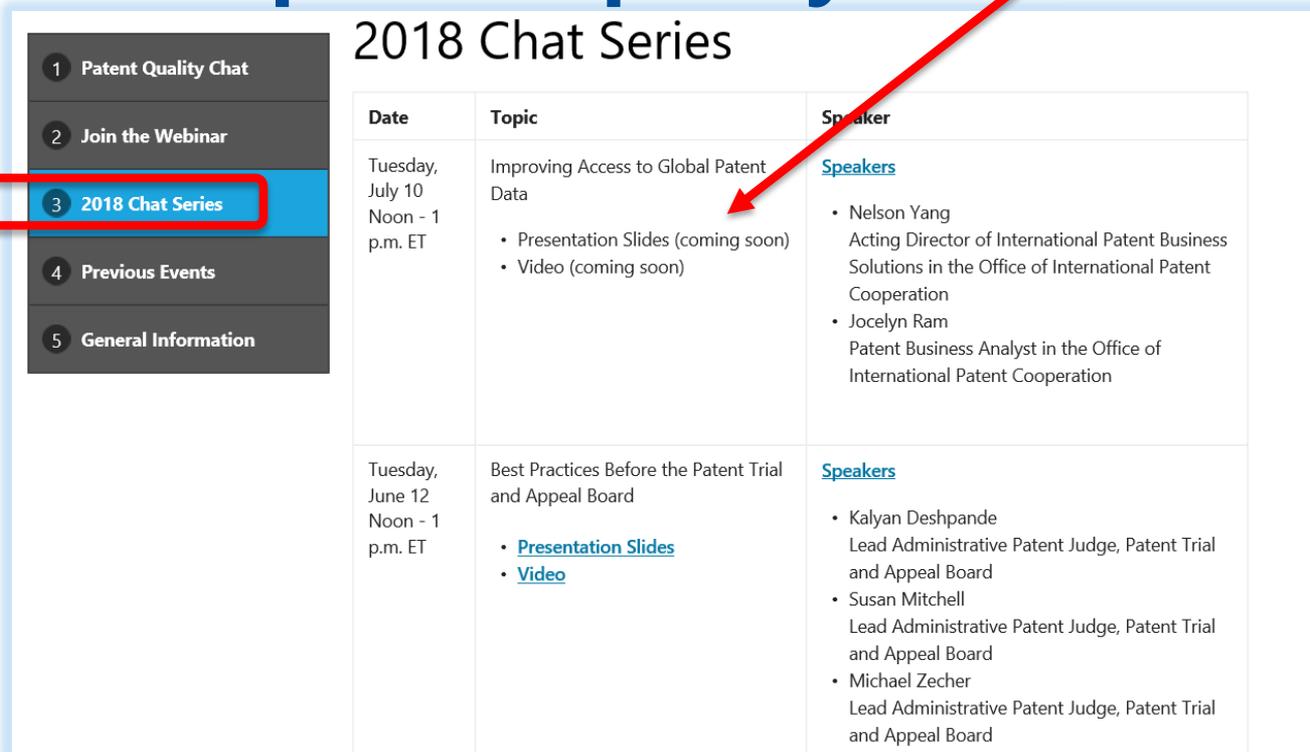
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2018 Chat Series

| Date | Topic | Speaker |
|--------------------------------------|---|---|
| Tuesday, July 10 Noon - 1 p.m. ET | Improving Access to Global Patent Data <ul style="list-style-type: none">• Presentation Slides (coming soon)• Video (coming soon) | Speakers <ul style="list-style-type: none">• Nelson Yang Acting Director of International Patent Business Solutions in the Office of International Patent Cooperation• Jocelyn Ram Patent Business Analyst in the Office of International Patent Cooperation |
| Tuesday, June 12 Noon - 1 p.m. ET | Best Practices Before the Patent Trial and Appeal Board <ul style="list-style-type: none">• Presentation Slides• Video | Speakers <ul style="list-style-type: none">• Kalyan Deshpande Lead Administrative Patent Judge, Patent Trial and Appeal Board• Susan Mitchell Lead Administrative Patent Judge, Patent Trial and Appeal Board• Michael Zecher Lead Administrative Patent Judge, Patent Trial and Appeal Board |

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Patent Quality Chat

Improving Access to Global Patent Data

Nelson Yang

Acting Director, International Patent Business Solutions, Office of International Patent Cooperation

Jocelyn D. Ram

Patent Business Analyst (detail), Office of International Patent Cooperation

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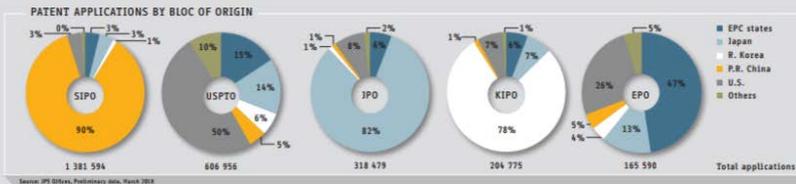
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The Importance of Global Work Sharing

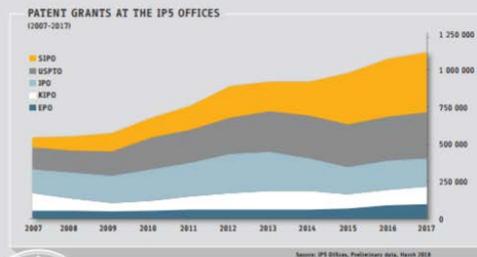
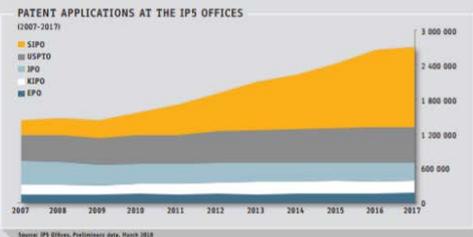
KEY IP5 STATISTICAL INDICATORS 2017

All statistics herein are preliminary. The full IP5 Statistics Report 2017 will become available in the last quarter of 2018.

2.7m
patent
applications
filed at the IP5 Offices in 2017



+4.5%
Growth in patent grants



APPROVED 1.2 million patents
granted by the IP5 Offices in 2017



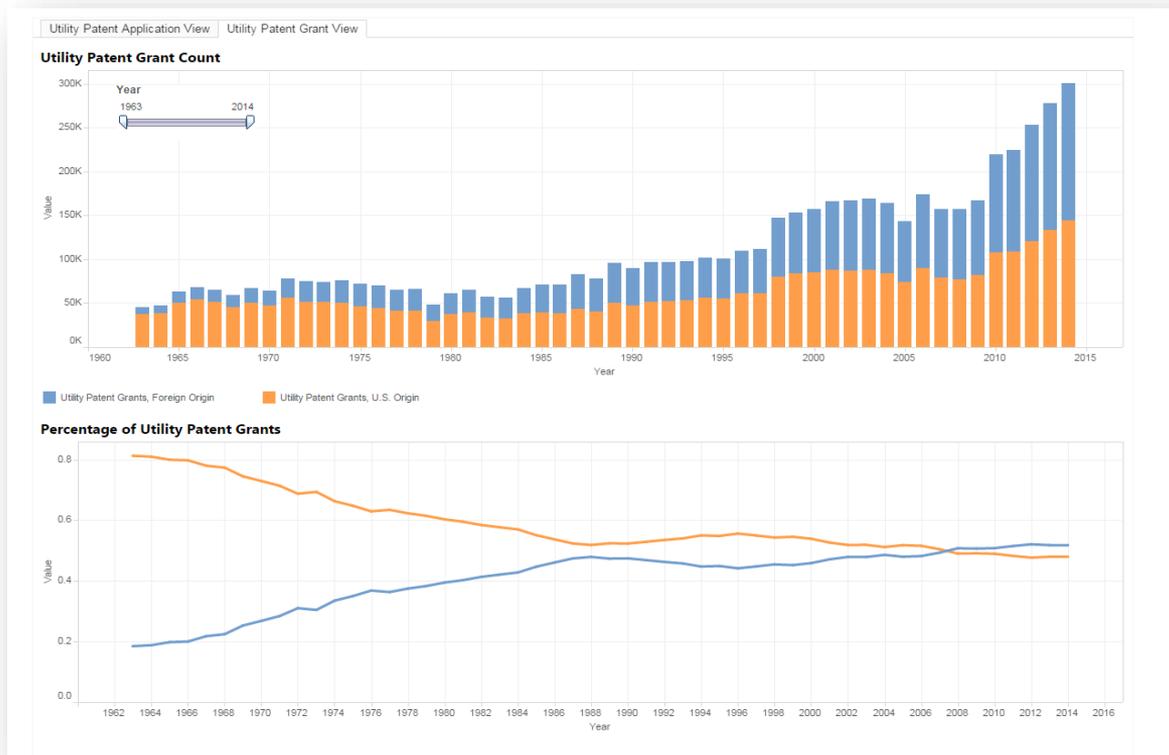
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European Patent Office | Japan Patent Office
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<http://www.fiveipoffices.org//statistics.html>, accessed June 25, 2018.

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Patents Granted at the USPTO



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Global Dossier

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Practical Benefits of Global Dossier

- Consolidated access to patent family data
 - View an application's patent family and counterpart prosecution histories from multiple countries in real-time
- View the most relevant art in minutes
 - Citation List allows users to see all the art cited in the patent family, with the most frequently cited art listed first
- Office Action translations
 - Real-time English machine translations of Chinese, Korean, and Japanese Office Actions



Global Dossier Access

Public URL: <http://globaldossier.uspto.gov>

The screenshot shows the Global Dossier website interface. At the top left is the 'uspto' logo. In the top right corner, there are links for 'About Us', 'Careers', and 'Contact Us'. Below the logo is the title 'Global Dossier'. A navigation bar contains links for 'Home', 'Public Pair', 'Common Citation Document', 'Citation list BETA', 'Service Availability', 'Help', and 'Email us'. Below the navigation bar is a search area with 'Office' set to 'US', 'Type' set to 'Application', and a search box containing 'Ex: XXnnnnnn'. To the right of the search box are 'Collections' and 'History' buttons. The main content area features a welcome message: 'Welcome to Global Dossier'. Below this are three columns of text:

- Global Dossier Initiative**: The Global Dossier Initiative is a set of business services being developed by the [IP5 Offices](#) (USPTO, EPO, JPO, KIPO, and SIPO) aimed at modernizing the global patent system and delivering benefits to all stakeholders through a single portal/user interface. Global Dossier will provide a single, secure point of access for the management of dossier and examination information, enabling and encouraging streamlining of office procedures among different IP Offices. This will lead to improved efficiency and predictability of global patent family prosecution with increased cost savings provided to patent applicants. For more information, on the please visit the [Global Dossier Initiative](#) page.
- Global Dossier Public Access**: The first service being provided by the Global Dossier Initiative is a secure, online access to the file histories of related applications from participating IP Offices, which currently include the IP5 Offices. By using this service, users can see the patent family for a specific application, containing all related applications filed at participating IP Offices, along with the dossier, classification, and citation data for these applications. This service also provides Office Action Indicators to help users identify applications that contain office actions, a Collections View for saving documents and applications for review later on in the session, and the ability to download the documents in an application.
- Citation List BETA**: As part of the Global Dossier Initiative, the USPTO is pleased to announce the beta release of the Citation List. The Citation List is part of the USPTO's ongoing efforts to provide a more comprehensive listing of relevant citations that are available in related applications that share a common priority claim. During the beta, the USPTO hopes to receive feedback from users on future enhancements and functionality to be included in subsequent releases of the Citation List. Users may submit their feedback to GlobalDossier@uspto.gov or through the [Ideascale website](#). View: [Citation List](#)

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Global Dossier Home Page

The screenshot shows the USPTO Global Dossier Home Page. At the top, the 'uspto' logo is on the left, and 'About Us', 'Careers', and 'Contact Us' are on the right. Below the logo is the title 'Global Dossier'. A navigation bar contains 'Home', 'Public Pair', 'Common Citation Document', 'Citation list BETA', 'Service Availability', 'Help', and 'Email us'. A search bar is located below the navigation bar, with 'Office' set to 'US', 'Type' set to 'Application', and a search box containing 'Ex: XXnnnnnn'. A blue box labeled 'Enter number' points to the search box. A dropdown menu for 'Office' is open, showing options: US, CN, EP, KR, JP, WIPO, and CASE. A dropdown menu for 'Type' is also open, showing options: Application, Pre-grant Publication, and Patent. The main content area features a 'Welcome to Global Dossier' message with a globe icon. Below this are three informational sections: 'Global Dossier Initiative', 'Global Dossier Public Access', and 'Citation List BETA'. The 'uspto' logo is visible in the bottom right corner of the page.

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Global Dossier

Home Public Pair Common Citation Document Citation list **BETA** Service Availability Help Email us

Office: US Type: Application Ex: XXnnnnnn

Enter number

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Global Dossier Initiative

The Global Dossier Initiative is a set of business services being developed by the [IP5 Offices](#) (USPTO, EPO, JPO, KIPO, and SIPO) aimed at modernizing the global patent system and delivering benefits to all stakeholders through a single portal/user interface. Global Dossier will provide a single, secure point of access for the management of dossier and examination information, enabling and encouraging streamlining of office procedures among different IP Offices. This will lead to improved efficiency and predictability of global patent family prosecution with increased cost savings provided to patent applicants.

For more information, on the please visit the [Global Dossier Initiative](#) page.

Global Dossier Public Access

The first service being provided by the Global Dossier Initiative is a secure, online access to the file histories of related applications from participating IP Offices, which currently include the IP5 Offices.

By using this service, users can see the patent family for a specific application, containing all related applications filed at participating IP Offices, along with the dossier, classification, and citation data for these applications. This service also provides Office Action Indicators to help users identify applications that contain office actions, a Collections View for saving documents and applications for review later on in the session, and the ability to download the documents in an application.

Citation List **BETA**

As part of the Global Dossier Initiative, the USPTO is pleased to announce the beta release of the Citation List. The Citation List is part of the USPTO's ongoing efforts to provide a more comprehensive listing of relevant citations that are available in related applications that share a common priority claim.

During the beta, the USPTO hopes to receive feedback from users on future enhancements and functionality to be included in subsequent releases of the Citation List. Users may submit their feedback to GlobalDossier@uspto.gov or through the [Ideascale website](#).

View: [Citation List](#)

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Patent Family

The screenshot displays the USPTO Global Dossier interface for patent family US 14981381. The search criteria are set to Office: US, Type: Application, and Patent Number: 14981381. The interface shows a table of patent entries with columns for Office, Application, Applicant, Title, App. Date, Priority #, Pub. #, Pub. Date, and Action. A sidebar on the left allows for filtering by IP Office Type, with options for All IPS Offices (EPO, SIPO, KIPO, JPO, USPTO) and Non-IPS Offices. Annotations highlight the 'Filtering' sidebar, the 'Office Action Indicator' in the table, and the patent family identifier 'US 14981381'.

| Office | Application | Applicant | Title | App. Date | Priority # | Pub. # | Pub. Date | Action |
|--------|--------------|--|---|------------|----------------------------|------------------------------------|--------------------------|--------------|
| US | 13174742 | 1) Ditter, Tom Allen 2) Gallardo, Diana 3) Moaddeb, Shahram | CATHETER WITH VARIABLE ARCULATE DISTAL SECTION | 06/30/2011 | US 13174742 | US 20130006238 A1 US 9220433 B2 | 01/03/2013 12/29/2015 | (4) Add to ★ |
| CN | 201210236111 | | | | | 02846374 A 02846374 B | 01/02/2013 08/17/2016 | (4) Add to ★ |
| EP | 12174272 | 1) Biosense Webster (Israel), Ltd. | Catheter with variable arcuate distal section | 06/29/2012 | US 13174742 | EP 2540245 A1 EP 2540245 B1 | 01/02/2013 08/12/2015 | (4) Add to ★ |
| JP | | Webster -(Israel)- Limited. | The catheter which has a variable arcuate distance zone | 06/29/2012 | US 13174742 | JP 2013013726 A JP 6071272 B2 | 01/24/2013 02/01/2017 | (2) Add to ★ |
| EP | | Webster (Israel) Ltd. | CATHETER WITH VARIABLE ARCULATE DISTAL SECTION | | EP 12174272 | | 07/2016 | (1) Add to ★ |
| US | 14981381 | 1) Ditter, Tom Allen 2) Zirkle, Michael Olan 3) Moaddeb, Shahram 4) Gallardo, Diana | CATHETER WITH ADJUSTABLE ARCULATE DISTAL SECTION | 12/28/2015 | US 13174742 US 14981381 | US 20160128771 A1 US 9717559 B2 | 05/12/2016 08/01/2017 | (4) Add to ★ |
| JP | 2016247700 | 1) Bio-sense Webster -(Israel)- Limited. | The catheter which has a variable arcuate distance zone | 12/21/2016 | US 13174742 | JP 2017051795 A | 03/16/2017 | (1) Add to ★ |

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Home Public Pair Common Citation Document Citation list **BETA**

Office: US Type: Application 14981381

US 14981381 11 Members in Patent Family (7 currently shown)

Office Application Applicant

- US 13174742 1) Ditter, Tom Allen, 2) Gallardo, Diana, 3) Moaddeb, Shahram, 4) Zirkle, Michael Olen
- CN 201210236111 1) This special biological official of weber can (israel) Co., Ltd.
- EP 12174272 1) Biosense Webster (Israel) Ltd.
- JP 2012146541 1) Bio-sense Webster -(israel)- Limited.
- EP 15179939 1) Biosense Webster (Israel) Ltd.
- US 14981381 1) Ditter, Tom Allen, 2) Zirkle, Michael Olen, 3) Moaddeb, Shahram, 4) Gallardo, Diana
- JP 2016247700 1) Bio-sense Webster -(israel)- Limited.

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| IP Office | Application | Applicant | Title | Application Date | Priority Number | Publication Number | Publication Date |
|-----------|--------------|--|---|------------------|----------------------------|--------------------------------------|--------------------------|
| US | 13174742 | 1)Ditter, Tom Allen, 2)Gallardo, Diana, 3)Moaddeb, Shahram, 4)Zirkle, Michael Olen | CATHETER WITH VARIABLE ARCUATE DISTAL SECTION | 06/30/2011 | US 13174742 | US 20130006238 A1 US 9220433 B2 | 01/03/2013 12/29/2015 |
| IL | 22039512 | | | 06/14/2012 | US 13174742 | IL 220395 D0 | 10/31/2012 |
| AU | 2012203756 | 1)Biosense Webster (Israel), Ltd., | Catheter with variable arcuate distal section | 06/27/2012 | US 13174742 | AU 2012203756 A1 AU 2012203756 B2 | 01/17/2013 07/09/2015 |
| CA | 2781924 | 1)BIOSENSE WEBSTER (ISRAEL), LTD., | CATHETER WITH VARIABLE ARCUATE DISTAL SECTION | 06/28/2012 | US 13174742 | CA 2781924 A1 | 12/30/2012 |
| RU | 2012127341 | | | 06/29/2012 | US 13174742 | RU 2012127341 A RU 2542088 C2 | 01/20/2014 02/20/2015 |
| CN | 201210236111 | 1)This special biological official of weber can (Israel) Co., Ltd., | The pipe that has variable bow-shaped distally section. | 06/29/2012 | US 13174742 | CN 102846374 A CN 102846374 B | 01/02/2013 08/17/2016 |
| EP | 12174272 | 1)Biosense Webster (Israel), Ltd., | Catheter with variable arcuate distal section | 06/29/2012 | US 13174742 | EP 2540245 A1 EP 2540245 B1 | 01/02/2013 08/12/2015 |
| JP | 2012146541 | 1)Bio-sense Webster -(israel)- Limited. | The catheter which has a variable arcuate distance zone | 06/29/2012 | US 13174742 | JP 2013013726 A JP 6071272 B2 | 01/24/2013 02/01/2017 |
| EP | 15179939 | 1)Biosense Webster (Israel) Ltd., | CATHETER WITH VARIABLE ARCUATE DISTAL SECTION | 06/29/2012 | US 13174742 EP 12174272 | EP 2985002 A1 | 02/17/2016 |
| US | 14981381 | 1)Ditter, Tom Allen,2)Zirkle, Michael Olen, 3)Moaddeb, Shahram, 4)Gallardo, Diana | CATHETER WITH ADJUSTABLE ARCUATE DISTAL SECTION | 12/28/2015 | US 13174742 US 14981381 | US 20160128771 A1 US 9717559 B2 | 05/12/2016 08/01/2017 |
| JP | 2016247700 | 1)Bio-sense Webster -(israel)- Limited. | The catheter which has a variable arcuate distance zone | 12/21/2016 | US 13174742 | JP 2017051795 A | 03/16/2017 |

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Patent Family – Publication Links

The screenshot displays the WIPO PATENTSCOPE search results for patent JP 2013013726 A. The interface includes a search bar, navigation tabs, and a detailed view of the patent record. A blue box highlights the 'Machine translation' link. Another blue box highlights the 'Publication Links' section, which lists various international publications. A blue arrow points to the entry for JP 2013013726 A, which is circled in blue. The patent title is '(EN) CATHETER WITH VARIABLE ARCUATE DISTAL SECTION'. The abstract describes a catheter with a circular form and a longitudinal axis. A technical drawing of the catheter is also shown.

Machine translation

Publication Links

| Pub. Date | Priority # | Pub. # | Pub. Date | Action |
|-----------|----------------------------|------------------------------------|--------------------------|--------------|
| 6/30/2011 | US 13174742 | US 20130006238 A1 US 9220433 B2 | 01/03/2013 12/29/2015 | (4) Add to ★ |
| 6/29/2012 | US 13174742 | CN 102846374 A CN 102846374 B | 01/02/2013 08/17/2016 | (4) Add to ★ |
| 6/29/2012 | US 13174742 | EP 2540245 A1 EP 2540245 B1 | 01/02/2013 08/12/2015 | (4) Add to ★ |
| 6/29/2012 | US 13174742 | JP 2013013726 A JP 6074373 B2 | 01/24/2013 02/01/2017 | (2) Add to ★ |
| 6/29/2012 | US 13174742 EP 12174272 | EP 2985002 A1 | 02/17/2016 | (1) Add to ★ |
| 2/28/2015 | US 13174742 US 14981381 | US 20160138771 A1 US 9717559 B2 | 05/12/2016 08/01/2017 | (4) Add to ★ |
| 2/21/2016 | US 13174742 | JP 2017081795 A | 03/16/2017 | (1) Add to ★ |

Patent Details:

- Application Number: 2012146541 Application Date: 29.06.2012
- Publication Number: 2013013726 Publication Date: 24.01.2013
- Grant Number: 6071272 Grant Date: 13.01.2017
- Publication Kind: B2
- IPC: A61B 18/14 CPC: A61B 5/0422, A61B 5/0538
- Applicants: バイオセンス・ウェブスター (イスラエル) リミテッド
- Inventors: トム・アレン・チャーター, ダイアナ・ガラルド, シャハラ・モゼ, マイケル・オレン・ザークル
- Agents: 加藤 公延, 大島 孝文
- Priority Data: 13/174742 30.06.2011 US
- Title: (EN) CATHETER WITH VARIABLE ARCUATE DISTAL SECTION (JA) 可変弓状遠位区域を有するカテーテル (EN)
- Abstract: PROBLEM TO BE SOLVED: To provide a catheter which fits different sizes of ostia. SOLUTION: The catheter 10 includes an elongated body 12, a shape-memory member defining a generally circular form, and a control handle 16 adapted to actuate a deflection puller wire for deflecting a portion of the elongated body, and a contraction wire for contracting the generally circular form. The generally circular form which carries at least one ring electrode has an off-edge configuration relative to the elongated body such that a longitudinal axis of the elongated body does not intersect the circumference of the circular form and the generally circular form spirals about the longitudinal axis of the elongated body. Moreover, the circular form can have an on-axis configuration such that the longitudinal axis of the elongated body is axially aligned with a central longitudinal axis of the circular form, or an off-axis configuration such that these axes are axially offset from each other.
- COPYRIGHT: (C)2013,IPO&NPIT
- (JA) 【課題】異なるサイズの心臓に適合するカテーテルを提供する。【解決手段】カテーテル10は、細長形本体12と、概して円形の形態を決定する形状記憶部材と、細長形本体の一部分を偏向させるための牽引ワイヤー及び概して円形の形態を収縮させるための収縮ワイヤーを有するように適合された、制御ハンドル16を含む、少なくとも一つのリング電極を支持する、概して円形の形態は、細長形本体に対してオフセットの構成を有することにより、細長形本体の長手方向軸は、この円形の形態の円周とは交差せず、概して円形の形態は、細長形本体の長手方向軸を中心として螺旋を形成する。更には、円形の形態は、細長形本体の長手方向軸が、円形の形態の中心長手方向軸と、軸方向で位置合わせされるような、軸上構成、又はこれらの軸が、互いに軸方向でオフセットされるような、軸外構成を有し得る。【選択図】図1

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Patent Family – Quick View

Notification of Reasons for Refusal (TRANSLATED)

PDF 1 / 4

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Notes:
1. Untranslatable words are replaced with asterisks (****).
2. Texts in the figures are not translated and shown as it is.

Translated: 22:09:32 JST 07/02/2018
Dictionary: Last updated 06/28/2018 / Priority:

Notification of Reasons for Refusal

Application number: Patent Application No. 2012-146541
Date of Drafting: Heisei 28(2016) May 18
Patent examiner: INOUE, Tetsuo 8918 3100
Representative/Applicant: KATO, Masanobu (and 1 others)
Applied Provisions: Article 29(2), Article 37

This application should be refused for the reason that the following Reason. If the applicant has any argument against the reason, please submit a Written Argument within three months as of the day of dispatch of this notification.

Reason

- (Unity of invention) This patent application does not fulfill the requirement of the provision of Patent Law Article 37 in terms of the item(s) listed below.
- (Inventive Step) The claimed invention(s) listed below of this patent application shall not be granted a patent under the provision of Patent Act Article 29 (2) for the reason that the claimed invention(s) could have easily been made by persons who have common knowledge in the technical field to which the claimed invention(s) pertains, on the basis of the invention(s) described in the distributed publication listed below or made available to the public through electric telecommunication lines in Japan or other foreign countries prior to the filing of the patent application.

Note (See the list of cited documents etc., below.)

Service Availability Help Email us

Collections 0 History 2

| | App. Date | Priority # | Pub. # | Pub. Date | Action |
|--------------------------------|------------|--|------------------------------------|--------------------------|--------------|
| QUATE DISTAL SECTION | 06/30/2011 | US 13174742 | US 20130006238 A1 US 9220433 B2 | 01/03/2013 12/29/2015 | (4) Add to ★ |
| shaped distally section. | 06/29/2012 | US 13174742 | CN 102846374 A CN 102846374 B | 01/02/2013 08/17/2016 | (4) Add to ★ |
| distal section | 06/29/2012 | US 13174742 | EP 2540245 A1 EP 2540245 B1 | 01/02/2013 08/12/2015 | (4) Add to ★ |
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| ons | Date | Document Description | Options | | |
| | 06/15/2016 | Communication regarding the expiry of opposition period | ... | | |
| | 07/16/2015 | Decision to grant a European patent | ... | | |
| | 03/09/2015 | Communication about intention to grant a European patent | ... | | |
| View All Office Actions | | | | | |
| ble arcuate distance zone | 06/29/2012 | US 13174742 | JP 2013013726 A JP 6071272 B2 | 01/24/2013 02/01/2017 | (2) Add to ★ |
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| ons | Date | Document Description | Options | | |
| | 11/29/2016 | Decision to Grant a Patent (TRANSLATED) | ... | | |
| | 05/24/2016 | Notification of Reasons for Refusal (TRANSLATED) | ... | | |
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How to Access Application Dossier

The screenshot displays the USPTO Global Dossier interface for application US 14981381. The interface includes a navigation bar with 'Home', 'Public Pair', 'Common Citation Document', and 'Citation list BETA'. The search bar shows 'Office: US', 'Type: Application', and '14981381'. The main content area shows the application details for US 14981381, including the applicant 'Ditter, Tom Allen', 'Gallardo, Diana', 'Moaddeb, Shahram', and 'Zirkle, Michael Olen'. The title is 'CATHETER WITH VARIABLE ARCULATE DISTAL SECTION'. The application date is 06/30/2011, and the priority date is US 13174742. The publication number is US 20130006238 A1, and the publication date is 01/03/2013. The interface also shows a list of family members in other offices, including CN 201210236111 and EP 12174272. The 'Most Recent Documents' section shows a table of documents with dates and descriptions, and the 'Office Actions' section shows a table of actions with dates and descriptions. The interface includes buttons for 'All Documents', 'Classification and Citation', and 'View All Office Actions'.

Global Dossier

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Office: US Type: Application 14981381 Collections 0 History 2

US 14981381 11 Members in Patent Family (7 currently shown)

IP Office Type

- All IPS Offices
- EPO
- SIPO
- KIPO
- JPO
- USPTO
- Non-IPS Offices

| Office | Application | Applicant | Title | App. Date | Priority # | Pub. # | Pub. Date | Action |
|--------|--------------|--|---|------------|-------------|------------------------------------|--------------------------|--------------|
| US | 13174742 | 1) Ditter, Tom Allen 2) Gallardo, Diana 3) Moaddeb, Shahram 4) Zirkle, Michael Olen | CATHETER WITH VARIABLE ARCULATE DISTAL SECTION | 06/30/2011 | US 13174742 | US 20130006238 A1 US 9220433 B2 | 01/03/2013 12/29/2015 | (4) Add to ★ |
| CN | 201210236111 | 1) This special biological official of weber can (israel) Co., Ltd. | The pipe that has variable bow-shaped distally section. | 06/29/2012 | US 13174742 | CN 102846374 A CN 102846374 B | 01/02/2013 08/17/2016 | (4) Add to ★ |
| EP | 12174272 | 1) Biosense Webster (Israel), Ltd. | Catheter with variable arcuate distal section | 06/29/2012 | US 13174742 | EP 2540245 A1 EP 2540245 B1 | 01/02/2013 08/12/2015 | (4) Add to ★ |
| JP | 2012146541 | 1) Bio-sense Webster -(israel)- Limited. | The catheter which has a variable arcuate distance zone | 06/29/2012 | US 13174742 | JP 2013013726 A JP 6071272 B2 | 01/24/2013 02/01/2017 | (2) Add to ★ |

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|------------|---|---------|------------|--|---------|
| 06/15/2016 | Communication regarding the expiry of opposition period | ... | 06/15/2016 | Communication regarding the expiry of opposition period | ... |
| 08/13/2015 | Transmission of the certificate | ... | 07/16/2015 | Decision to grant a European patent | ... |
| 07/16/2015 | Decision to grant a European patent | ... | 03/09/2015 | Communication about intention to grant a European patent | ... |

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|------------|---|---------|------------|--|---------|
| 11/29/2016 | Decision to Grant a Patent (TRANSLATED) | ... | 11/29/2016 | Decision to Grant a Patent (TRANSLATED) | ... |
| 11/29/2016 | Decision to Grant a Patent (ORIGINAL) | ... | 05/24/2016 | Notification of Reasons for Refusal (TRANSLATED) | ... |
| 08/19/2016 | Written Argument (TRANSLATED) | ... | | | |

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Application Number EP 12174272 Patent Family All Documents Classification & Citation Collections History

Classification Data

IPC8

- A61B5/053
- A61B18/14
- A61B5/042

CPC

- A61B2034/2063
- A61B5/6857
- A61B2018/00029
- A61B2018/00839
- A61B5/0422
- A61B2018/00375
- A61B2018/00577
- A61B18/1492

A61B19/00

- A61B18/00
- A61B17/00

A61B2090/065

- A61B2018/1432

A61B5/06

- A61N1/05

A61B2018/1435

- A61B5/0538

Classification Description

- A61B 18/149 {bow shaped or with rotatable body at cantilever end, e.g. for resectoscopes, or coagulating rollers}
- A61B 18/1492 {having a flexible, catheter-like structure, e.g. for heart ablation (A61B 18/1477 takes precedence)}
- A61B 2018/1495 {Electrodes being detachable from a support structure}

Citation Data

PATENT DOCUMENTS NPL (NON-PATENT LITERATURE)

| PUBLICATION/PATENT NUMBER | RELEVANT SECTION | RELEVANCY/CLAIMS | CITED IN | CITED BY |
|---------------------------|--|-------------------|------------------------|-----------|
| EP1042990/A1 | page A: figures 1A-5; paragraph 12-15, 17-43 | Claims: 1-7,12-17 | national-search-report | examiner |
| US5820591/A | | | applicant | applicant |
| US20050033135/A1 | | | applicant | applicant |
| US20100168548/A1 | page A: figures 1-4, 7; paragraph 9-14, 25-27, 33-39 | Claims: 1-7,12-17 | national-search-report | examiner |
| US20100168548/A1 | | | applicant | applicant |

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| US6500167/B1 | | | applicant | applicant |
| US6064902/A | | | applicant | applicant |
| US5820591/A | | | applicant | applicant |
| US20050033135/A1 | | | applicant | applicant |
| US20100168548/A1 | page A; figures 1-4, 7; paragraph 9-14, 25-27, 33-39 | Y - Claims: 1-7,12-17 | national-search-report | examiner |
| US20100168548/A1 | | | applicant | applicant |
| US7008401/B2 | | | applicant | applicant |
| WO9605768/A1 | | | applicant | applicant |
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| US6371955/B1 | | | applicant | applicant |
| US20030105453/A1 | page A; figures 1, 13; paragraph 9-13, 21-24, 56-59 | X - Claims: 8-11,4,5 Y - Claims: 8-11,4,5 | national-search-report | examiner |
| US6468260/B1 | | | applicant | applicant |
| US5964757/A | | | applicant | applicant |
| EP2289408/A1 | page A; figures 1, 3-6; paragraph 6-8, 45-61, 75, 94-95 | X - Claims: 8-11,1-7,12-17 Y - Claims: 8-11,1-7,12-17 | national-search-report | examiner |

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| 4 | US 6500167/B1 | Omni-directional steerable catheter BIOSENSE WEBSTER INC | 12/31/2002 | View |
| 4 | US 6064902/A | Pulmonary vein ablation catheter BARD INC C R | 05/16/2000 | View |
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| 4 | US 6522933/B2 | Steerable catheter with a control handle having a pulley mechani... BIOSENSE WEBSTER INC | 02/18/2003 | View |
| 4 | 468260/B1 | Single gear drive bidirectional control handle for steerable cathe... BIOSENSE WEBSTER INC | 10/22/2002 | View |
| 4 | 964757/A | Steerable direct myocardial revascularization cathe... CORDIS WEBSTER INC | 10/12/1999 | View |
| 4 | US 20080161774/A1 | Catheter with embedded components and method of its manufact... HASTINGS JOHN M KING ALICIA A | 07/03/2008 | View |
| 4 | US 6371955/B1 | Atrial branding iron catheter and a method for treating atrial fibrillat... BIOSENSE WEBSTER INC | 04/16/2002 | View |
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GOVARI ASSAF, PAPAIOANNOU ATHANASSIOS, BEECKLER CHRISTOPHER

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| 2 | US | 13174742 | 06/30/2011 | US 20130006238 A1 (01/03/2013), US 9220433 B2 (12/29/2015) | |
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| 5 | EP | 15179939 | 06/29/2012 | EP 2985002 A1 (02/17/2016) | Section: page A; figures 1-4, 7; paragraph 9-14, 25-27, 33-39 <input checked="" type="checkbox"/> Claims: 1-9, 15-22 |
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| 4 | US 7008401/B2 Assemblies for creating compound curves in distal catheter regi... BOSTON SCIENTIFIC INC 03/07/2006 | | |
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| 4 | US 6064902/A Pulmonary vein ablation catheter 05/16/2000 BARD INC C R | | |
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| 4 | US 20030105453/A1 Porous medical catheter and methods of manufact... 06/05/2003 | | |
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ABSTRACT
A catheter assembly for treatment of cardiac arrhythmia, for example, atrial fibrillation, by electrically isolating a vessel, such as a pulmonary vein, from a chamber, such as the left atrium. The catheter assembly includes a catheter body 22 and at least one electrode 26. The catheter body includes a proximal portion 28, an intermediate portion 30 and a distal portion 32. The intermediate portion extends from the proximal portion and defines a longitudinal axis. The distal portion extends from the intermediate portion and forms a substantially closed loop 34, parallel or transverse to the longitudinal axis. The at least one electrode 26 is disposed along the loop. With this configuration, the loop is axially directed into contact with the chamber wall about the vessel ostium. Upon energization, the electrode ablates a continuous lesion pattern about the vessel ostium, thereby electrically isolating the vessel from the chamber. <IMAGE>

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MIN XIAOYI

APPLICANT(S) MEDTRONIC INC

APPLICATION # EP 00107045/A



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| US 5964757 A | Steerable direct myocardial revascularization catheter | CORDIS WEBSTER INC | 10/12/1999 |

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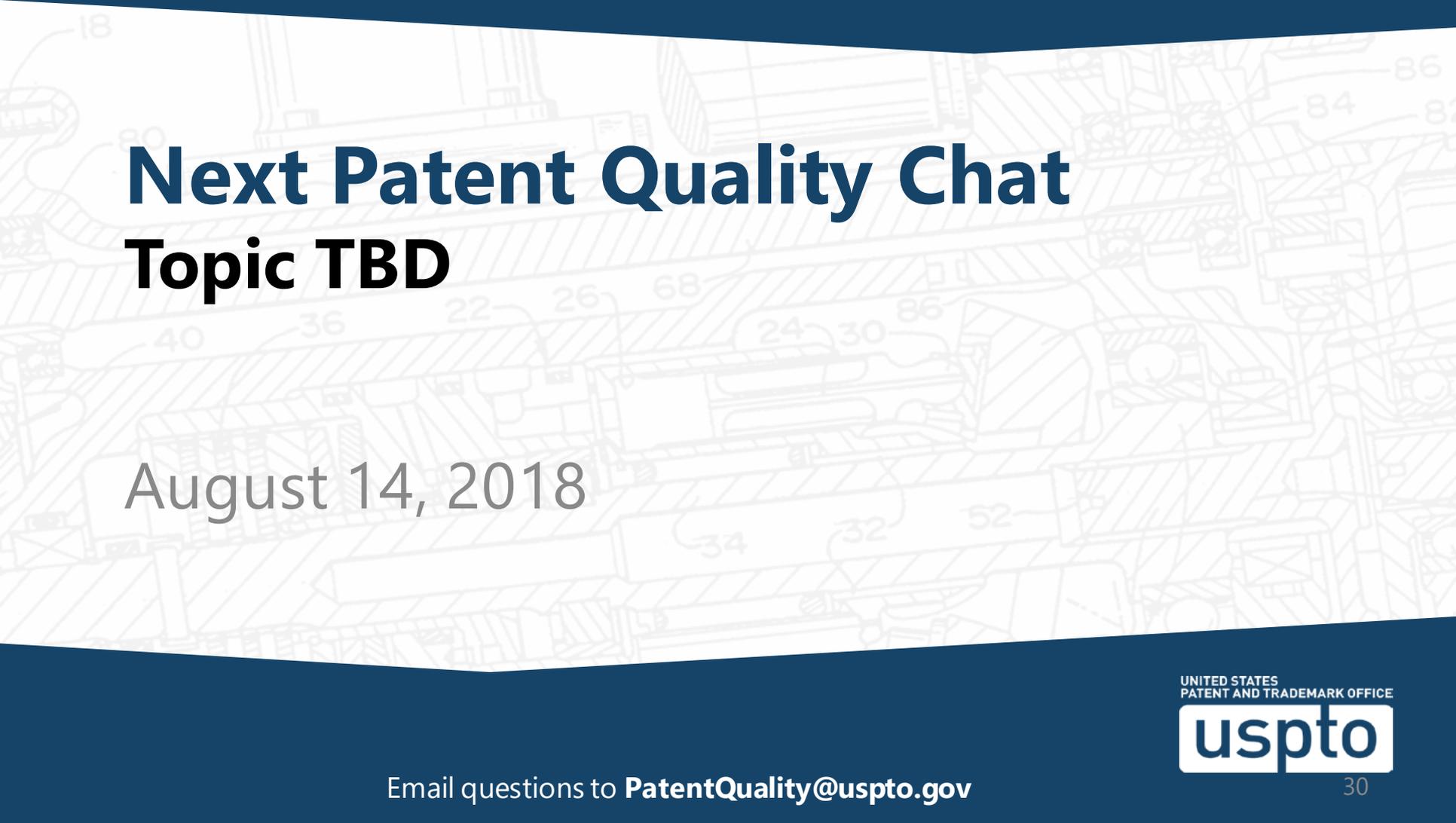
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