

**UNITED STATES
PATENT AND TRADEMARK OFFICE**



Global Dossier

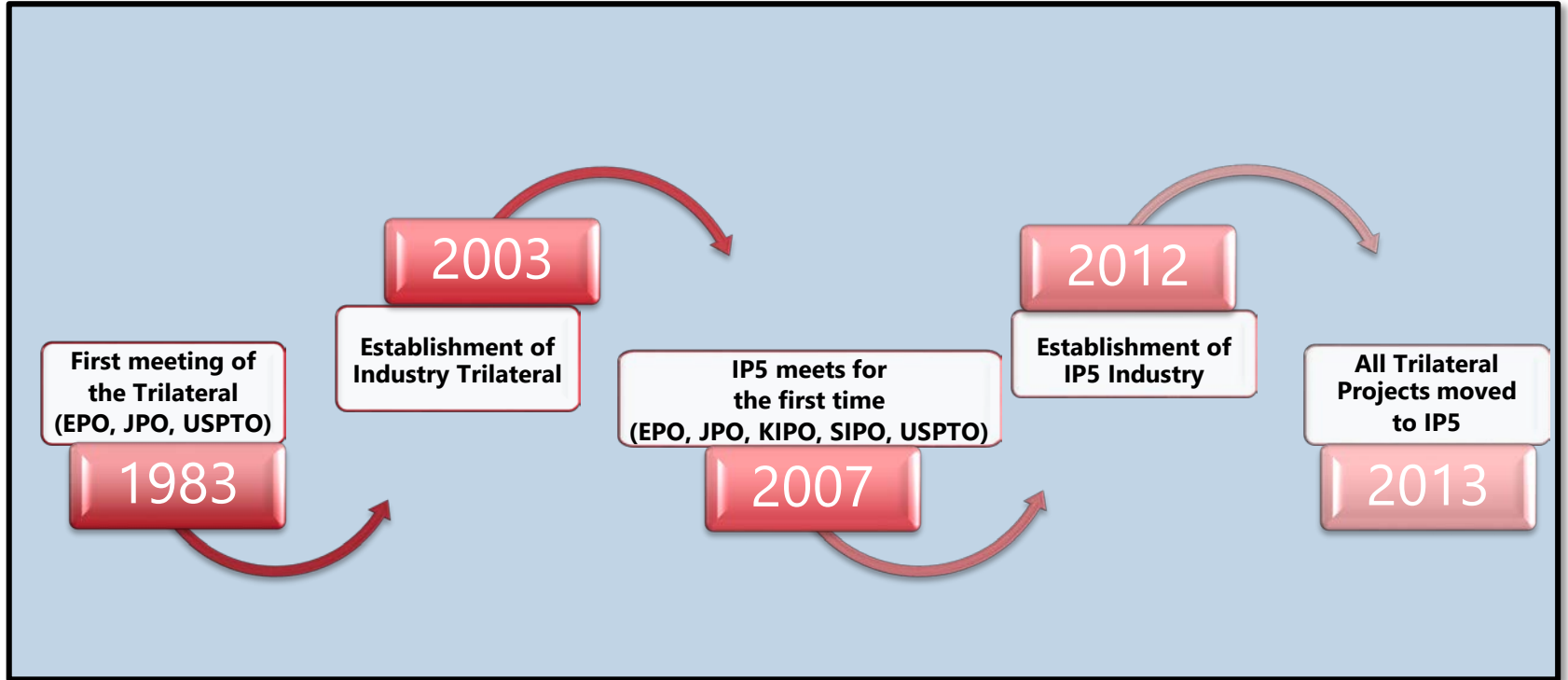
U.S. Patent and Trademark Office
Office of International Patent Cooperation
August 2018

Email questions to:
inventorinfochat@uspto.gov

UNITED STATES
PATENT AND TRADEMARK OFFICE



Brief History of the IP5



Email questions to:
inventorinfochat@uspto.gov

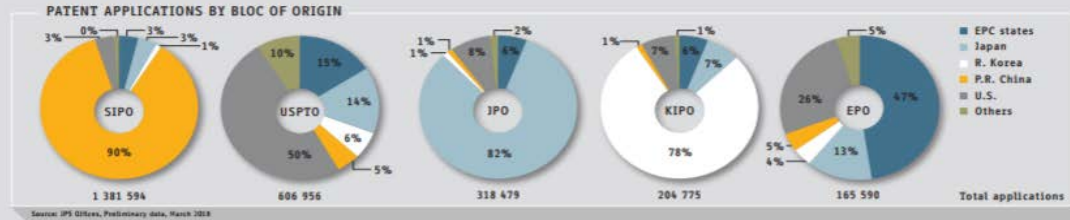


The Importance of Global Worksharing

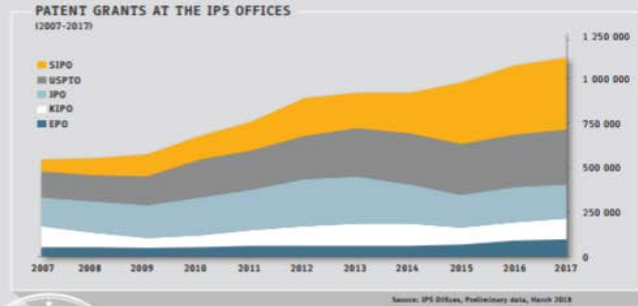
KEY IP5 STATISTICAL INDICATORS 2017

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



Email questions to:
inventorinfochat@uspto.gov

Global Dossier

Modernizing the global patent system and
delivering benefits to all stakeholders.



Email questions to:
inventorinfochat@uspto.gov



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 you to see all the art cited in the patent family, with the most frequently cited art listed first
- Office Action translations
 - Only location to find real-time English machine translations of Chinese, Korean, and Japanese Office Actions

Email questions to:
inventorinfochat@uspto.gov



Global Dossier Access

<http://globaldossier.uspto.gov>

The screenshot shows the top navigation bar with the USPTO logo and links for 'About Us', 'Careers', and 'Contact Us'. Below this is the 'Global Dossier' title. A secondary navigation bar includes 'Home', 'Public Pair', 'Common Citation Document', 'Citation list BETA', 'Service Availability', 'Help', and 'Email us'. A search bar is present with 'Office' set to 'US', 'Type' set to 'Application', and a search input field containing 'Ex: XXnnnnnn'. To the right of the search bar are 'Collections' (0) and 'History' (0) buttons. The main content area features a welcome message: 'Welcome to Global Dossier'. Below this are three columns of text: 'Global Dossier Initiative', 'Global Dossier Public Access', and 'Citation List BETA'. The 'Citation List BETA' section includes a link to 'View: Citation List'.

uspto About Us Careers Contact Us

Global Dossier

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

Office US ▼ Type Application ▼ Ex: XXnnnnnn ★ Collections 0 ↻ History 0

Welcome to
Global **Dossier**

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](#)

Email questions to:
inventorinfochat@uspto.gov

Global Dossier Home Page

The screenshot shows the USPTO Global Dossier Home Page. At the top left is the 'uspto' logo. On the top right are links for 'About Us', 'Careers', and 'Contact Us'. 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'. Below this is a search bar with 'Office' set to 'US', 'Type' set to 'Application', and a search input field containing 'Ex: XXnnnnnn'. To the right of the search bar are 'Collections' and 'History' buttons, both showing '0'. The main content area features a 'Welcome to Global Dossier' heading. Three callout boxes are present: one on the left showing a dropdown menu for 'Office' with options US, CN, EP, KR, JP, WIPO, and CASE; one in the center showing a dropdown menu for 'Type' with options Application, Pre-grant Publication, and Patent; and one on the right pointing to the search input field with the text 'Enter number'. Below the heading are three columns of text: 'Global Dossier Initiative', 'Global Dossier Public Access', and 'Citation List BETA'.

uspto

About Us Careers Contact Us

Global Dossier

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

Office US Type Application Ex: XXnnnnnn

Collections 0 History 0

Welcome to **Global Dossier**

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](#)

Email questions to:
inventorinfochat@uspto.gov

Patent Family

uspto About Us Careers Contact Us

Global Dossier

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

Office: US Type: Application 13565455 Collections 0 History 1

US 13565455 9 Members in Patent Family (9 currently shown)

Office	Application	Applicant	Title	App. Date	Priority #	Pub. #	Pub. Date	Action
JP	2011525114 View Dossier	1) Applied Materials, Incorporated,	A laser material removing method and a device	08/21/2009	US 12092044 US PCT/US09/54677	JP 2012501249 A	01/19/2012	(2) Add to ★
CN	200980133793 View Dossier	1) The Applied Materials,	Laser material removal methods and apparatus	08/21/2009	US 12092044 US PCT/US09/54677	CN 102132378 A CN 102132378 B	07/20/2011 12/11/2013	(2) Add to ★
KR	20117006576 View Dossier	1) Applied Materials, Inc.,	LASER MATERIAL REMOVAL METHODS AND APPARATUS	08/21/2009	US 12092044	KR 20110059724 A	06/03/2011	Add to ★
US	12545488 View Dossier	1) Zhang, Zhenhua 2) Rana, Virendra V.S. 3) Shah, Vinay K. 4) Eberspacher, Chris	LASER MATERIAL REMOVAL METHODS AND APPARATUS	08/21/2009	US 12545488 US 12092044	US 20100055901 A1 US 8258426 B2	03/04/2010 09/04/2012	(1) Add to ★
US	PCT/US09/54677 View Dossier	1) APPLIED MATERIALS, INC., 2) ZHANG, Zhenhua, 3) RANA, Virendra, V.s., 4) SHAH, Vinay, K., 5) EBERSPACHER, Chris,	LASER MATERIAL REMOVAL METHODS AND APPARATUS	08/21/2009	US 12092044	WO 2010027712 A2 WO 2010027712 A3	03/11/2010 05/14/2010	(3) Add to ★
EP	09811971 View Dossier	1) Applied Materials, Inc.,	LASER MATERIAL REMOVAL METHODS AND APPARATUS	08/21/2009	US 12092044 US PCT/US09/54677	EP 2329518 A2	06/08/2011	(1) Add to ★
CN	201310590403 View Dossier	1) APPLIED MATERIALS, INC.,	Laser material removal methods and apparatus	08/21/2009	US 12092044	CN 103537811 A	01/29/2014	(3) Add to ★
TW	98128535			08/25/2009	US 12545488 US 12092044	TW 201013965 A	04/01/2010	
US	13565455 View Dossier	1) ZHANG, ZHENHUA 2) Rana, Virendra V.S. 3) Shah, Vinay K. 4) Eberspacher, Chris	LASER MATERIAL REMOVAL METHODS AND APPARATUS	08/02/2012	US 12545488 US 12092044 US 13565455	US 20120295440 A1 US 8569650 B2	11/22/2012 10/29/2013	(2) Add to ★

IP Office Type

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

Email questions to:
inventorinfochat@uspto.gov

Patent Family - Features

uspto About Us Careers Contact Us

Global Dossier

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

Office: US Type: Application Q History

US 13565455

Collapsible Column

Office	Application	Applicant	Title	App. Date	Priority #	Pub. #	Pub. Date	Action
JP	2011525114 View Dossier	1) Applied Materials, Incorporated,	A laser material removing method and a device	08/21/2009	US 12092044 US PCT/US09/54677	JP 2012501249 A	01/19/2012	(2) Add to ★
CN	200980133793 View Dossier	1) The Applied Materials,	Laser material removal methods and apparatus	08/21/2009	US 12092044 US PCT/US09/54677	CN 102132378 A CN 102132378 B	07/20/2011 12/11/2013	(2) Add to ★
KR	20117006576 View Dossier	1) Applied Materials, Inc.,	LASER MATERIAL REMOVAL METHODS AND APPARATUS	08/21/2009	US 12092044	KR 20110059724 A	06/03/2011	Add to ★
		1) Zhang, Zhenhua 2) Rana, Virendra V.S. 3) Shah, Vinay K. 4) Eberspacher, Chris	LASER MATERIAL REMOVAL METHODS AND APPARATUS	08/21/2009	US 12545488 US 12092044	US 20100055901 A1 US 8258426 B2	03/04/2010 09/04/2012	(1) Add to ★
US	PCT/US09/54677 View Dossier	1) APPLIED MATERIALS, INC., 2) ZHANG, Zhenhua, 3) RANA, Virendra, V.s., 4) SHAH, Vinay, K., 5) EBERSPACHER, Chris,	LASER MATERIAL REMOVAL METHODS AND APPARATUS	08/21/2009	US 12092044	WO 2010027712 A2 WO 2010027712 A3	03/11/2010 05/14/2010	(3) Add to ★
EP	09811971 View Dossier	1) Applied Materials, Inc.,	LASER MATERIAL REMOVAL METHODS AND APPARATUS	08/21/2009	US 12092044 US PCT/US09/54677	EP 2329518 A2	06/08/2011	(1) Add to ★
CN	201110000000000000 View Dossier		Laser material removal methods and apparatus	08/21/2009	US 12092044	CN 103537811 A	01/29/2014	(3) Add to ★
TW	981010000000000000 View Dossier			08/25/2009	US 12545488 US 12092044	TW 201013965 A	04/01/2010	
US	13565455 View Dossier		LASER MATERIAL REMOVAL METHODS AND APPARATUS	08/02/2012	US 12545488 US 12092044 US 13565455	US 20120295440 A1 US 8569650 B2	11/22/2012 10/29/2013	(2) Add to ★

Filtering

- All IP5 Offices
 - EPO
 - SIPO
 - KIPO
 - JPO
 - USPTO
- Non-IP5 Offices

IP Office Type

- All IP5 Offices
 - EPO
 - SIPO
 - KIPO
 - JPO
 - USPTO
- Non-IP5 Offices

Sorting Indicator

Office: US Type: Application Q History

Office Action Indicator

Email questions to: inventorinfochat@uspto.gov

Patent Family - Download

uspto About Us Careers Contact Us

Global Dossier

Home Public Pair Common Citation Document Citation list BETA

Office: US Type: Application Search: 13565455

US 13565455 9 Members in Patent Family (8 currently shown)

Download list of patent family members

CSV format
PDF format

IP Office	Application	Applicant	Title	Application Date	Priority Number	Publication Number	Publication Date
JP	2011525114	1)Applied Materials, Incorporated.	A laser material removing method and a device	08/21/2009	US 12092044 US PCT/US09/54677	JP 2012501249 A	01/19/2012
US	200980133793	1)The Applied Materials,.	Laser material removal methods and apparatus	08/21/2009	US 12092044 US PCT/US09/54677	CN 102132378 A CN 102132378 B	07/20/2011 12/11/2013
KR	20117006576	1)Applied Materials, Inc.,	LASER MATERIAL REMOVAL METHODS AND APPARATUS	08/21/2009	US 12092044	KR 20110059724 A	06/03/2011
US	12545488	1)Zhang, Zhenhua, 2)Rana, Virendra V.S., 3)Shah, Vinay K., 4)Eberspacher, Chris	LASER MATERIAL REMOVAL METHODS AND APPARATUS	08/21/2009	US 12545488 US 12092044	US 20100055901 A1 US 8258426 B2	03/04/2010 09/04/2012
US	PCT/US09/54677	1)APPLIED MATERIALS, INC., 2)ZHANG, Zhenhua, 3)RANA, Virendra, V.s., , 4)SHAH, Vinay K., 5)EBERSPACHER, Chris,	LASER MATERIAL REMOVAL METHODS AND APPARATUS	08/21/2009	US 12092044	WO 2010027712 A2 WO 2010027712 A3	03/11/2010 05/14/2010
EP	09811971	1)Applied Materials, Inc.,	LASER MATERIAL REMOVAL METHODS AND APPARATUS	08/21/2009	US 12092044 US PCT/US09/54677	EP 2329518 A2	06/08/2011
CN	201310590403	1)APPLIED MATERIALS, INC.,	Laser material removal methods and apparatus	08/21/2009	US 12092044	CN 103537811 A	01/29/2014
TW	98128535			08/25/2009	US 12545488 US 12092044	TW 201013965 A	04/01/2010
US	13565455	1)ZHANG, ZHENHUA , 2)Rana, Virendra V.S., 3)Shah, Vinay K., 4)Eberspacher, Chris	LASER MATERIAL REMOVAL METHODS AND APPARATUS	08/02/2012	US 12545488 US 12092044 US 13565455	US 20120295440 A1 US 8569650 B2	11/22/2012 10/29/2013

Email questions to:
inventorinfochat@uspto.gov

Patent Family – US Publication Link

uspto About Us Careers Contact Us

Global Dossier

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

Office: US Type: Application 13565455 Collections 0 History 1

US 13565455 9 Members in Patent Family (9 currently shown)

Office	Application	Applicant	Title	App. Date	Priority #	Pub. #	Pub. Date	Action
JP	2011525114	1) Applied Materials, Incorporated,	A laser material removing method and a device	08/21/2009	US 12092044 US PCT/US09/54677	JP 2012501249 A	01/19/2012	(2) Add to ★
CN				08/21/2009	US 12092044 US PCT/US09/54677	CN 102132378 A CN 102132378 B	07/20/2011 12/11/2013	(2) Add to ★
KR				08/21/2009	US 12092044	KR 20110059724 A	06/03/2011	Add to ★
US				08/21/2009	US 12545488 US 12092044	US 20100055901 A1 US 8258426 B2	03/04/2010 09/04/2012	(1) Add to ★
US				08/21/2009	US 12092044	WO 2010027712 A2 WO 2010027712 A3	03/11/2010 05/14/2010	(3) Add to ★
EP				08/21/2009	US 12092044 US PCT/US09/54677	EP 2329518 A2	06/08/2011	(3) Add to ★
CN				08/21/2009	US 12092044	CN 103537811 A	01/29/2014	(3) Add to ★
TW				08/25/2009	US 12545488 US 12092044	TW 201013965 A	04/01/2010	Add to ★
US				08/02/2012	US 12545488 US 12092044 US 13565455	US 20120295440 A1 US 8569650 B2	11/22/2012 10/29/2013	(2) Add to ★

US PATENT & TRADEMARK OFFICE
PATENT APPLICATION FULL TEXT AND IMAGE DATABASE

[Help](#) [Home](#) [Search](#) [Manual](#) [News](#) [PTOL](#)
[Hit List](#) [Status](#)
[View Shopping Cart](#) [Add to Shopping Cart](#)
[Images](#)

United States Patent Application 20100055901
 Kind Code A1
 Zhang; Zhenhua ; et al. March 4, 2010

LASER MATERIAL REMOVAL METHODS AND APPARATUS

Abstract

Embodiments of the present invention generally provide methods and apparatus for material removal using lasers in the fabrication of solar cells. In one embodiment, an apparatus is provided that precisely removes portions of a dielectric layer deposited on a solar cell substrate according to a desired pattern and deposits a conductive layer over the patterned dielectric layer. In one embodiment, the apparatus also removes portions of the conductive layer in a desired pattern. In certain embodiments, methods for removing a portion of a material via a laser without damaging the underlying substrate are provided. In one embodiment, the intensity profile of the beam is adjusted so that the difference between the maximum and minimum intensity within a spot formed on a substrate surface is reduced to an optimum range. In one example, the substrate is positioned such that the peak intensity at the center versus the periphery of the substrate is lowered. In one embodiment, the pulse energy is improved to provide thermal stress and physical lift-off of a desired portion of a dielectric layer.

Inventors: **Zhang; Zhenhua**, (Newark, CA); **Rana; Virendra V.S.**, (Los Gatos, CA); **Shah; Vinay K.**, (San Mateo, CA); **Eberspacher; Chris**, (Palo Alto, CA)

Correspondence Address: **PATTERSON & SHERIDAN, LLP - APPM/TX**
 3040 POST OAK BOULEVARD, SUITE 1500
 HOUSTON
 TX
 77056
 US

Assignee: **APPLIED MATERIALS, INC.**
 Santa Clara
 CA

Family ID: **41726084**
 Appl. No.: **12/545488**
 Filed: **August 21, 2009**

Related U.S. Patent Documents

4) Eberspacher, Chris

Publication Link

Email questions to:
 inventorinfochat@uspto.gov

Patent Family – Foreign Publication Link

uspto Global Dossier

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

Office: US Type: Application 13565455

US 13565455 9 Members in Patent Family (9 currently shown)

Office	Application #	Applicant	Title	App. Date	Priority #	Pub. #	Pub. Date	Action
					US 12092044 US PCT/US09/54677	JP 2012501249 A	01/19/2012	(2) Add to ★
					US 12092044 US PCT/US09/54677	CN 102132378 A CN 102132378 B	07/20/2011 12/11/2013	(2) Add to ★
					US 12092044	KR 20110059724 A	06/03/2011	Add to ★
					US 12545488 US 12092044	US 20100055901 A1 US 8258426 B2	03/04/2010 09/04/2012	(1) Add to ★
					US 12092044	WO 2010027712 A2 WO 2010027712 A3	03/11/2010 05/14/2010	(3) Add to ★
					US 12092044 US PCT/US09/54677	EP 2329518 A2	06/08/2011	(1) Add to ★
					US 12092044	CN 103527811 A	01/29/2014	(3) Add to ★
					US 12545488 US 12092044	TW 201013965 A	04/01/2010	
					US 12545488 US 12092044 US 13565455	US 20120295440 A1 US 8569650 B2	11/22/2012 10/29/2013	(2) Add to ★

WIPO PATENTSCOPE
WORLD INTELLECTUAL PROPERTY ORGANIZATION
Search Browse Translate Options News Login Help

1. (CN103537811) Laser material removal methods and apparatus

Machine translation

Application Number: 201310590403.1 **Application Date:** 21.08.2009
Publication Number: 103537811 **Publication Date:** 29.01.2014
Publication Kind: A

IPC: B23K 26/402
B23K 26/06
B23K 26/70

Applicants:
Inventors:
Priority Data: 61/092,044 26.08.2008 US
Title: (EN) Laser material removal methods and apparatus
(ZH) 激光材料移除方法和设备

Abstract: (EN) Embodiments of the present invention generally provide methods and apparatus for material removal using lasers in the fabrication of solar cells. In one embodiment, an apparatus is provided that precisely removes portions of a dielectric layer deposited on a solar cell substrate according to a desired pattern and deposits a conductive layer over the patterned dielectric layer. In one embodiment, the apparatus also removes portions of the conductive layer in a desired pattern. In certain embodiments, methods for removing a portion of a material via a laser without damaging the underlying substrate are provided. In one embodiment, the intensity profile of the beam is adjusted so that the difference between the maximum and minimum intensity within a spot formed on a substrate surface is reduced to an optimum range. In one example, the substrate is positioned such that the peak intensity at the center versus the periphery of the substrate

4) Eberspacher, Chns

Email questions to:
inventorinfochat@uspto.gov

Patent Family - Quick View

uspto

[About Us](#)
[Careers](#)
[Contact Us](#)

Global Dossier

Home
Public Pair
Common Citation Document
Citation list BETA

[Service Availability](#)
[Help](#)
[Email us](#)

Office US
Type Application
13565455
🔍

★ Collections 0
🕒 History 1

US 13565455

9 Members in Patent Family (8 currently shown)

+	Office	Application	Applicant	Title	App. Date	Priority #	Pub. #	Pub. Date	Action
📅	JP	2011525114	1) Applied Materials, Incorporated,	A laser material removing method and a device	08/21/2009	US 12092044 US PCT/US09/54677	JP 2012501249 A	01/19/2012	📁 (2) Add to ★

Most Recent Documents

Date	Document Description	Options
03/11/2014	Decision of Refusal (TRANSLATED)	⋮
03/11/2014	Decision of Refusal (ORIGINAL)	⋮
10/01/2013	Notification of Reasons for Refusal (TRANSLATED)	⋮

Office Actions

Date	Document Description	Options
03/11/2014	Decision of Refusal (TRANSLATED)	⋮
10/01/2013	Notification of Reasons for Refusal (TRANSLATED)	⋮

All Documents
Classification and Citation
View All Office Actions

📅	CN	200980133793	1) The Applied Materials,	Laser material removal methods and apparatus	08/21/2009	US 12092044 US PCT/US09/54677	CN 102132378 A CN 102132378 B	07/20/2011 12/11/2013	📁 (2) Add to ★
---	----	--------------	---------------------------	--	------------	----------------------------------	----------------------------------	--------------------------	---

Most Recent Documents

Date	Document Description	Options
09/16/2013	Notification to Grant Patent Right for Invention(PCT) (TRANSLATED)	⋮
09/16/2013	Notification to Grant Patent Right for Invention(PCT) (ORIGINAL)	⋮
05/27/2013	Claims (ORIGINAL)	⋮

Office Actions

Date	Document Description	Options
09/16/2013	Notification to Grant Patent Right for Invention(PCT) (TRANSLATED)	⋮
01/11/2013	First Office Action(PCT) (TRANSLATED)	⋮

All Documents
Classification and Citation
View All Office Actions

IP Office Type

All IP5 Offices

- EPO
- SIPO
- KIPO
- JPO
- USPTO

Non-IP5 Offices

Email questions to:
inventorinfochat@uspto.gov

Patent Family - Quick View

The screenshot displays the USPTO Global Dossier interface for patent family US 13565455. The interface includes a search bar with the patent number 13565455 and navigation tabs for Home, Public Pair, Common Citation Document, and Citation list (BETA). The main content area shows a list of patent family members with columns for Office, Application, Applicant, Title, App. Date, Priority #, Pub. #, Pub. Date, and Action. Three callout boxes highlight specific features: 'Collapse/Expand Quick View' points to the 'Quick View' button in the 'Action' column; 'Quick View All Docs' points to the 'All Documents' button; and 'Quick View Office Actions' points to the 'View All Office Actions' button. The interface also includes sections for 'Most Recent Documents' and 'Office Actions' for each patent family member.

Office	Application	Applicant	Title	App. Date	Priority #	Pub. #	Pub. Date	Action	
JP	2011525114	1) Applied Materials, Incorporated,	A laser material removing method and a device	08/21/2009	US 12092044 US PCT/US09/54677	JP 2012501249 A	01/19/2012	Quick View (2) Add to ★	
Most Recent Documents									
Date	Document Description	Options	Date	Document Description	Options				
03/11/2014	Decision of Refusal (TRANSLATED)	...	03/11/2014	Decision of Refusal (TRANSLATED)	...				
03/11/2014	Decision of Refusal (ORIGINAL)	...	03/11/2014	Decision of Refusal (TRANSLATED)	...				
10/01/2013	Notification of Reasons for Refusal (TRANSLATED)	...	10/01/2013	Notification of Reasons for Refusal (TRANSLATED)	...				
All Documents		Classification and Citation		View All Office Actions					
CN	200980133793	1) The Applied Materials,	Laser material removal methods and apparatus	08/21/2009	US 12092044 US PCT/US09/54677	CN 102132378 A CN 102132378 B	07/20/2011 12/11/2013	Quick View (2) Add to ★	
Most Recent Documents									
Date	Document Description	Options	Date	Document Description	Options				
09/16/2013	Notification to Grant Patent Right for Invention(PCT) (TRANSLATED)	...	09/16/2013	Notification to Grant Patent Right for Invention(PCT) (TRANSLATED)	...				
09/16/2013	Notification to Grant Patent Right for Invention(PCT) (ORIGINAL)	...	01/11/2013	First Office Action(PCT) (TRANSLATED)	...				
05/27/2013	Claims (ORIGINAL)	...	05/27/2013	Claims (ORIGINAL)	...				
All Documents		Classification and Citation		View All Office Actions					
KR	20117006576	1) Applied Materials, Inc.,	METHODS AND APPARATUS	08/21/2009	US 12092044	US 20100055901 A1	03/04/2010	Quick View (1) Add to ★	
View Dossier									
US		12545488	1) Zhang, Zhenhua 2) Rana, Virendra V.S. 3) Shah, Vinay K. 4) Eberspacher, Chris	METHODS AND APPARATUS	08/21/2009	US 12545488 US 12092044	US 20100055901 A1 US 8258426 B2	03/04/2010 09/04/2012	Quick View (1) Add to ★
View Dossier									

Email questions to:
inventorinfochat@uspto.gov

Patent Family – Office Action Window

The screenshot displays the USPTO Global Dossier interface. On the left, a window titled "First Office Action(PCT) (TRANSLATED)" shows a document from the State Intellectual Property Office of the People's Republic of China. The document number is 200233, issued to The Applied Materials. The title of the invention is "Laser material removal methods and apparatus". The document is titled "The First Office Action (PCT Application Entering the National Phase)" and contains text regarding substantive examination under Article 35.1 and 35.2 of the Patent Law.

On the right, a search results table lists patent entries for the same family:

App. Date	Priority #	Pub. #	Pub. Date	Action
8/21/2009	US 12092044 US PCT/US09/54677	JP 2012501249 A	01/19/2012	(2) Add to ★
8/21/2009	US 12092044 US PCT/US09/54677	CN 102132378 A CN 102132378 B	07/20/2011 12/11/2013	(2) Add to ★
8/21/2009	US 12092044	KR 20110059724 A	06/03/2011	Add to ★
8/21/2009	US 12545488 US 12092044	US 20100055901 A1 US 8258426 B2	03/04/2010 09/04/2012	(1) Add to ★

3) Shan, Vinay K.
4) Eberspacher, Chris

Email questions to:
inventorinfochat@uspto.gov

Patent Family - Quick View

Global Dossier

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

Office US Type Application 13565455

US 13565455 9 Members in Patent Family (8 currently shown)

«	Office	Application	Applicant	Title	App. Date	Priority #	Pub. #	Pub. Date	Action	
IP Office Type <input checked="" type="checkbox"/> All IP5 Offices <input checked="" type="checkbox"/> EPO <input checked="" type="checkbox"/> SIPO <input checked="" type="checkbox"/> KIPO <input checked="" type="checkbox"/> JPO <input checked="" type="checkbox"/> USPTO <input type="checkbox"/> Non-IP5 Offices	⊕ CN	201310590403	1) APPLIED MATERIALS, INC.,	Laser material removal methods and apparatus	08/21/2009	US 12092044	CN 103537811 A	01/29/2014	<input type="button" value="📁 (3)"/> <input type="button" value="Add to ★"/>	
	View Dossier <input type="button" value="🔗"/>									
	⊕ CN	200980133793	1) The Applied Materials,	Laser material removal methods and apparatus	08/21/2009	US 12092044 US PCT/US09/54677	CN 102132378 A CN 102132378 B	07/20/2011 12/11/2013	<input type="button" value="📁 (2)"/> <input type="button" value="Add to ★"/>	
View Dossier <input type="button" value="🔗"/>										
⊖ EP	09811971	1) Applied Materials, Inc.,	LASER MATERIAL REMOVAL METHODS AND APPARATUS	08/21/2009	US 12092044 US PCT/US09/54677	EP 2329518 A2	06/08/2011	<input type="button" value="📁 (1)"/> <input type="button" value="Add to ★"/>		

Most Recent Documents

Office Actions

Date	Document Description	Options	Date	Document Description	Options
03/11/2015	CDS Clean up - amended data concerning the representative of the applicant (Association)	<input type="button" value="⋮"/>	03/18/2011	Copy of the international preliminary report on patentability	<input type="button" value="⋮"/>
07/23/2014	Refund of fees	<input type="button" value="⋮"/>			
07/23/2014	Refund of fees	<input type="button" value="⋮"/>			

⊕ JP	2011525114	1) Applied Materials, Incorporated,	A laser material removing method and a device	08/21/2009	US 12092044 US PCT/US09/54677	JP 2012501249 A	01/19/2012	<input type="button" value="📁 (2)"/> <input type="button" value="Add to ★"/>
View Dossier <input type="button" value="🔗"/>								
⊕ KR	20117006576	1) Applied Materials, Inc.,	LASER MATERIAL REMOVAL METHODS AND APPARATUS	08/21/2009	US 12092044	KR 20110059724 A	06/03/2011	<input type="button" value="Add to ★"/>
View Dossier <input type="button" value="🔗"/>								

Email questions to:
inventorinfochat@uspto.gov

Application Dossier View

uspto About Us Careers Contact Us

Global Dossier

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

Application Number EP 09811971 Patent Family All Documents Classification & Citation ★ Collections 0 ↻ History 4

EP 09811971 (EP 2329518 A2) **17 (1) documents** Copy of the international preliminary report on patentability

Documents: Office Actions

Description	Date	Code	Group	Options
View All	03/18/2011	IPRP	23,2,101	...

- Office Actions
- Application Docs
- Arguments & Applicant's Responses
- Citation & Classification Docs
- Miscellaneous
- Incoming Docs
- Outgoing Docs

Document Filter

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
(Chapter I of the Patent Cooperation Treaty)
(PCT Rule 44bis)

Applicant's or agent's file reference 013818PCT	FOR FURTHER ACTION	See item 4 below
International application No. PCT/US2009/054677	International filing date (<i>day month year</i>) 21 August 2009 (21.08.2009)	Priority date (<i>day month year</i>) 26 August 2008 (26.08.2008)
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237		
Applicant APPLIED MATERIALS, INC.		

1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).
2. This REPORT consists of a total of 4 sheets, including this cover sheet. In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.
3. This report contains indications relating to the following items: <input checked="" type="checkbox"/> Box No. 1 Basis of the report

Email questions to:
inventorinfochat@uspto.gov

Application Dossier View

uspto About Us Careers Contact Us

Global Dossier

Home Public Pair Common Citation Document Cita

Application Number EP 09811971

Service Availability Help Email us

★ Collections 0 History 4

Documents: View All

Description

JP 2011525114
CN 200980133793
KR 20117006576
US 12545488
PCT/US09/54677
EP 09811971
CN 201310590403
US 13565455

Group Options

unknown

CSV format
PDF format

Download document list

Application deemed to be withdrawn (non-payment of renewal fee)

European Patent Office
80298 MUNICH
GERMANY

Questions about this communication?
Contact Customer Services at www.epo.org/contact

Zimmermann & Partner
Postfach 330 920
80069 München
ALLEMAGNE

Date 14-04-2014

Reference 16357R-EP	Application No./Patent No. 09811971.2 - 1702 / 2329518
Applicant/Proprietor Applied Materials, Inc.	

Noting of loss of rights pursuant to Rule 112(1) EPC

The European Patent application is deemed to be withdrawn under Article 86(1) EPC.

The renewal fee for the 05. year and the additional fee have not been paid in due time / not been paid in full in due time.

Means of redress

Description	Date	Pub. No.	Class.	Options
Refund of fees	07/23/2014	2907	unknown	...
Final instructions (application deemed to be withdrawn/application refused)	07/15/2014	1303	unknown	...
<u>Application deemed to be withdrawn (non-payment of renewal fee)</u>	04/14/2014	2524	2	...
Notice drawing attention to the payment of the renewal fee and additional fee	10/07/2013	2522	2	...
Notification on forthcoming publication of bibliographic data	05/11/2011	1219	2	...
Communication regarding possible amendment of the application/payment of claims fee	04/14/2011	1226C	unknown	...
(Electronic) Receipt	03/25/2011	RECEIPT-OLF	unknown	...

Email questions to:
inventorinfochat@uspto.gov

Classification & Citation View

uspto About Us Careers Contact Us

Global Dossier

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

App Num EP 09811971 Patent Family All Documents **Classification & Citation** ★ Collections **0** History **4**

Classification Data

IPC8

H01L31/042	H01L21/027	
------------	------------	--

CPC

B23K26/0853	B23K26/03	B23K2201/40
B23K26/40	H01L31/18	B23K26/0624
H01L31/022441	B23K26/082	B23K26/06
B23K26/364	B23K2203/50	H01L31/0682
Y02E10/547		

Citation Data

PATENT DOCUMENTS NPL (NON-PATENT LITERATURE)

No matching citation data found.

Email questions to:
inventorinfochat@uspto.gov

Classification Data

uspto About Us Careers Contact Us

Global Dossier

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

App Num EP 09811971 Patent Family All Documents **Classification & Citation** Collections **0** History **4**

Classification Data

Download classification data

IPC8 ⓘ
H01L31/042

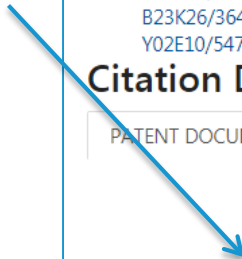
CPC ⓘ
B23K26/0853
B23K26/40
H01L31/022441
B23K26/364
Y02E10/547

Citation Data

PATENT DOCUMENTS NPL (NON-PATENT LIT)

CPC	IPC8
B23K26/0853	H01L31/042
B23K26/03	H01L21/027
B23K2201/40	
B23K26/40	
H01L31/18	
B23K26/0624	
H01L31/022441	
B23K26/082	
B23K26/06	
B23K26/364	
B23K2203/50	
H01L31/0682	
Y02E10/547	

CSV format
PDF format



B23K 26/362 . . Laser etching
B23K 26/364 . . . for making a groove or trench, e.g. for scribing a break initiation groove
 B23K 26/38 . . by boring or cutting

Classification Description

Email questions to:
inventorinfochat@uspto.gov



Citation Data – Patent Documents

uspto
About Us Careers Contact Us

Global Dossier

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

App Num EP 15164212 ▼
Patent Family All Documents Classification & Citation
★ Collections 0 ↻ History 4

Classification Data ⌵

IPC8 📘

A61B18/18 A61B19/00	A61B18/12	A61B18/00
------------------------	-----------	-----------

CPC 📘

A61B2018/147 A61B18/1815 A61B2018/162 A61B2018/00434	A61B2018/1861 A61B2018/00541 A61B2018/00017 A61B18/1492	A61B2018/0022 A61B2018/00023 A61B2090/0481
---	--	--

Citation Data ⌵

PATENT DOCUMENTS
NPL (NON-PATENT LITERATURE)

PUBLICATION/PATENT NUMBER 📘	RELEVANT SECTION	RELEVANCY/CLAIMS	CITED IN	CITED BY
US20070027445/A1 ▼			applicant	applicant
US20080243112/A1 ▼	paragraph 0011; paragraph 0035; paragraph 0052; paragraph 0072; paragraph 0073; paragraph 0089	📌 Claims: 12-14	national-search-report	examiner
US20080161890/A1 ▼	figures 1-2; paragraph 0034; paragraph 0040; paragraph 0043	📌 Claims: 12-14	national-search-report	examiner
US20030060813/A1 ▼	figure 9; paragraph 0010; paragraph 0039; paragraph 0049; paragraph 0053; paragraph 0057; paragraph 0061; paragraph 0093; paragraph 0096; paragraph 0105; paragraph	📌 Claims: 1-15	national-search-report	examiner

Email questions to:
inventorinfochat@uspto.gov



Citation Data - NPL

uspto About Us Careers Contact Us

Global Dossier

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

App Num EP 15164212 Patent Family All Documents Classification & Citation Collections 0 History 4

Classification Data

IPC8

A61B18/18	A61B18/12	A61B18/00
A61B19/00		

CPC

A61B2018/147	A61B2018/1861	A61B2018/0022
A61B18/1815	A61B2018/00541	A61B2018/00023
A61B2018/162	A61B2018/00017	A61B2090/0481
A61B2018/00434	A61B18/1492	

Citation Data

PATENT DOCUMENTS NPL (NON-PATENT LITERATURE)

REFERENCE	CITED IN	CITED BY
IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING ROBERT D NEVELS G DICKEY ARNDT GEORGE W RAFFOUL JAMES R CARL ANTONIO PACIFICO	applicant	applicant
CRITICAL REVIEWSTM IN BIOMEDICAL ENGINEERING JOHN M BERTRAM DESHAN YANG MARK C CONVERSE JOHN G WEBSTER DAVID M MAHVI 187213	applicant	applicant
ROBERT D NEVELS G DICKEY ARNDT GEORGE W RAFFOUL JAMES R CARL ANTONIO PACIFICO Microwave Catheter Design IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING 199807 vol 45 no 7	undefined	applicant
JOHN M BERTRAM DESHAN YANG MARK C CONVERSE JOHN G WEBSTER DAVID M MAHVI CoaxialBased	undefined	applicant

Email questions to:
inventorinfochat@uspto.gov

Citation Data

uspto About Us Careers Contact Us

Global Dossier

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

App Num EP 15164212 Patent Family All Documents **Classification & Citation** Collections 0 History 4

Classification Data

IPC8
A61B18/18
A61B19/00

CPC
A61B2018/147
A61B18/1815
A61B2018/162
A61B2018/00434

A61B18/12

A61B2018/1861
A61B2018/00541
A61B2018/00017
A61B18/1492

A61B18/00
A61B2018/0022
A61B2018/00023
A61B2090/0481

Citation Data

Download list of citations

CSV format
PDF format

PATENT DOCUMENTS	(LITERATURE)	RELEVANT SECTION	RELEVANCY/CLAIMS	CITED IN	CITED BY
US20070027445/A1				applicant	applicant
US20080243112/A1	View Full Patent Family	paragraph 0011; paragraph 0035; paragraph 0052; paragraph 0072; paragraph 0073; paragraph 0089	Claims: 12-14	national-search-report	examiner
US20080161890/A1	View Application Dossier	figures 1-2; paragraph 0034; paragraph 0040; paragraph 0043	Claims: 12-14	national-search-report	examiner
US20030060813/A1	View Publication	figure 9; paragraph 0010; paragraph 0039; paragraph 0049; paragraph 0053; paragraph 0057; paragraph 0061; paragraph 0093; paragraph 0096; paragraph 0105; paragraph	Claims: 1-15	national-search-report	examiner

Citation Data – PDF Download

PATENT DOCUMENTS

PUBLICATION/PATENT NUMBER	RELEVANT SECTION	RELEVANCY/CLAIMS	CITED IN	CITED BY
US20070027445/A1			applicant	applicant
US20080243112/A1	paragraph 0011; paragraph 0035; paragraph 0052; paragraph 0072; paragraph 0073; paragraph 0089	Y - Claims: 12-14	national-search-report	examiner
US20080161890/A1	figures 1-2; paragraph 0034; paragraph 0040; paragraph 0043	Y - Claims: 12-14	national-search-report	examiner
US20030060813/A1	figure 9; paragraph 0010; paragraph 0039; paragraph 0049; paragraph 0053; paragraph 0057; paragraph 0061; paragraph 0093; paragraph 0096; paragraph 0105; paragraph 0107; paragraph 0113	Y - Claims: 1-15	national-search-report	examiner
US20070100390/A1	figure 11; paragraph 0119; paragraph 0145; paragraph 0176	Y - Claims: 1-15	national-search-report	examiner
US20090043301/A1	paragraph 0023; paragraph 0024; paragraph 002; paragraph 0027; paragraph 0035; paragraph 0036; paragraph 0037; paragraph 0038; paragraph 0046; figure 4A	X - Claims: 1-7, 14, 12-14, 6-11 Y - Claims: 1-7, 14, 12-14, 6-11 I - Claims: 1-7, 14, 12-14, 6-11	national-search-report	examiner
US20090306644/A1	paragraph 0025; paragraph 0026; paragraph 0027; paragraph 0031; paragraph 0143; paragraph 0144; paragraph 0100; paragraph 0134; paragraph 0135; paragraph 0136; paragraph 0159; paragraph 0160	Y - Claims: 1-15	national-search-report	examiner
US20090463304/A			undefined	applicant
US20100913702/A			undefined	applicant
WO2010US56424/			undefined	applicant
US20100944666/A			undefined	applicant
WO2010US56425/			undefined	applicant

NON-PATENT LITERATURE CITATIONS

REFERENCE	CITED IN	CITED BY
IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING ROBERT D NEVELS G DICKEY ARNDT GEORGE W RAFFOUL JAMES R CARL ANTONIO PACIFICO	applicant	applicant
CRITICAL REVIEWSTM IN BIOMEDICAL ENGINEERING JOHN M BERTRAM DESHAN YANG MARK C CONVERSE JOHN G WEBSTER DAVID M MAHV1 187213	applicant	applicant
ROBERT D NEVELS G DICKEY ARNDT GEORGE W RAFFOUL JAMES R CARL ANTONIO PACIFICO Microwave Catheter Design IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING 199807 vol 45 no 7	undefined	applicant
JOHN M BERTRAM DESHAN YANG MARK C CONVERSE JOHN G WEBSTER DAVID M MAHV1 CoaxialBased		applicant

Citation List Access


The screenshot shows the USPTO Global Dossier website interface. At the top left is the 'uspto' logo. On the right, there are links for 'About Us', 'Careers', and 'Contact Us'. Below the logo is the 'Global Dossier' title. A navigation bar contains 'Home', 'Public Pair', 'Common Citation Document', and 'Citation List BETA' (the latter is circled in blue). To the right of the navigation bar are links for 'Service Availability', 'Help', and 'Email us'. Below the navigation bar is a search area with 'Office' set to 'US' and 'Type' set to 'Application'. A search input field contains 'Ex: XXXXXXXX' and is also circled in blue. To the right of the search field are 'Collections' and 'History' buttons, both showing '0'. The main content area features a 'Welcome to Global Dossier' heading with a globe icon. Below this are three informational boxes: 'Global Dossier Initiative', 'Global Dossier Public Access', and 'Citation List BETA'. The 'Citation List BETA' box includes a link to 'View: Citation List'.

uspto About Us Careers Contact Us

Global Dossier

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

Office US Type Application Ex: XXXXXXXX Collections 0 History 0

Welcome to
Global  **Dossier**

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](#)

Email questions to:
inventorinfochat@uspto.gov

uspto

Citation List Home Page

uspto About Us Careers Contact Us

Global Dossier Citation List

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

Office Type

Welcome to
Global  **Dossier**
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 enhance Global Dossier, by providing 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](#).

The Citation List service currently comprises the same data found in the Common Citation Document. The USPTO plans to incorporate additional data sources into the Citation List to enhance the comprehensiveness and consistency of the citation data provided.

Email questions to:
inventorinfochat@uspto.gov

Citation List

uspto About Us Careers Contact Us

Global Dossier Citation List

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

Office Type

US 12344567 SYSTEM AND METHOD OF SWITCHING FROM...

Filters

19 Total Citations
19 Currently Shown

CITATION TYPE

- All IPS Offices 19
 - EP 0
 - JP 4
 - KR 1
 - CN 0
 - US 14
- Non-IPS Offices 0
- Non Patent Literature 0

CITATIONS IN PATENT FAMILY

3	US 20020049974/A1	Methods for creating a customized program from a variety of sources	04/25/2002	View
2	JP 2007066472/A	NETWORK PLAYER FOR MEDIA, CONTROL METHOD AND PROGRAM KENWOOD CORP	03/15/2007	View
2	US 20070174866/A1	RULE-BASED PLAYLIST ENGINE AOL LLC	07/26/2007	View
2	US 20080139189/A1	LOCAL MEDIA CACHE WITH LEADER FILES SONY ERICSSON MOBILE COMM AB	06/12/2008	View
1	US 20070266403/A1	System and method for personalized video program listing and targeted content advertisement SBC KNOWLEDGE VENTURES LP	11/15/2007	View
1	US 20060056324/A1	Apparatus and method to provide mobile music appliance with subscription-based play-list service NOKIA CORP	03/16/2006	View
1	JP 2007166536/A	MULTIMEDIA VIEWING SYSTEM AND MULTIMEDIA VIEWING METHOD SOFTBANK BB CORP	06/28/2007	View
1	JP 2007073974/A1	System and method for providing mobile access to personal media TANG VICTOR	08/03/2006	View
1	JP 2005222577/A	DSL video service with storage	06/10/2004	View
1	JP 2005222577/A	INFORMATION PROCESSING APPARATUS AND METHOD, AND PROGRAM SONY CORP	08/18/2005	View
1	US 20080301317/A1	Method of Multiple File Streaming Service Through Playlist in Mobile Environment and System Thereof VIDIATOR ENTPR INC	12/04/2008	View
1	US 20040267937/A1	Client to server streaming of multimedia content using HTTP	12/30/2004	View

Click # to show the applications citing this reference

Document Filter (by citation type)

Email questions to:
inventorinfochat@uspto.gov

Citation List – Expanded View

The screenshot displays the USPTO Global Dossier Citation List interface. At the top, the USPTO logo is on the left, and navigation links for 'About Us', 'Careers', and 'Contact Us' are on the right. Below the logo, the page title 'Global Dossier Citation List' is centered. A secondary navigation bar includes 'Home', 'Public Pair', 'Common Citation Document', 'Citation list BETA', 'Help', and 'Email us'. The search area shows 'Office: US', 'Type: Application', and a search ID '12344567'. The main header identifies the patent as 'US 12344567 SYSTEM AND METHOD OF SWITCHING FROM...' with a 'VIEW' button and a 'PATENT FAMILY' icon.

Filters

- 19 Total Citations
- 19 Currently Shown
- CITATION TYPE
 - All IP5 Offices (19)
 - EP (0)
 - JP (4)
 - KR (1)
 - CN (0)
 - HK (14)
 - Non-IP5 Offices (0)
 - Non Patent Literature (0)

CITATIONS IN PATENT FAMILY

- 3 [US 20020049974/A1](#) Methods for creating a customized program from a variety of sour... 04/25/2002 [View](#)
- 2 [US 20070174866/A1](#) RULE-BASED PLAYLIST ENGINE 07/26/2007 AOL LLC [View](#)
- 2 [JP 2007066472/A](#) NETWORK PLAYER FOR MEDIA, CONTROL METHOD AND PROGR... 03/15/2007 KENWOOD CORP [View](#)
- 2 [US 20080139189/A1](#) LOCAL MEDIA CACHE WITH LEADER FILES 06/12/2008 SONY ERICSSON MOBILE COMM AB [View](#)

Applications citing this reference [Close X](#)

#	OFF.	APP. #	APP. DATE	PUB. NUMBER (DATE)	RELEVANCY DATA
1	US	PCT/US09/65917	11/25/2009	WO 2010074880 A1 (07/01/2010)	Section: paragraph 4; paragraph 6; paragraph 57 - paragraph 58 X Claims: 1-2,6-7,11-12,16-17,3-5,8-10,13-15,18-21,28,35,42 A Claims: 1-2,6-7,11-12,16-17,3-5,8-10,13-15,18-21,28,35,42
2	KR	20117017637	11/25/2009	KR 20110099779 A (09/08/2011), KR 101367043 B1 (02/24/2014)	

Email questions to:
inventorinfochat@uspto.gov



Citation List – Bibliography Window

uspto About Us Careers Contact Us

Global Dossier Citation List

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

Office: US Type: Application 12344567

US 12344567 SYSTEM AND METHOD OF SWITCHING FROM... VIEW PATENT FAMILY

Filters << CITATIONS IN PATENT FAMILY ▾

19 Total Citations
19 Currently Shown

CITATION TYPE

- All IP5 Offices 19
 - EP 0
 - JP 4
 - KR 1
 - CN 0
 - US 14
- Non-IP5 Offices 0
- Non Patent Literature 0

#	Patent No.	Title	Inventor
3	US 20020049974/A1	Methods for creating a customized program from a variety of sources	
2	JP 2007066472/A	NETWORK PLAYER FOR MEDIA, CONTROL METHOD AND PROGRAM	KENWOOD CORP
2	US 20070174866/A1	RULE-BASED PLAYLIST ENGINE	AOL LLC
2	US 20080139189/A1	LOCAL MEDIA CACHE WITH LEADER FILES	SONY ERICSSON MOBILE COMM AB
1	US 20070266403/A1	System and method for personalized video program listing and targeted content advertisement	SBC KNOWLEDGE VENTURES LP
1	US 20060056324/A1	Apparatus and method to provide mobile music appliance with subscription-based play-list service	NOKIA CORP
1	JP 2007166536/A	MULTIMEDIA VIEWING SYSTEM AND MULTIMEDIA VIEWING METHOD	SOFTBANK BB CORP
1	US 20060173974/A1	System and method for providing mobile access to personal media	TANG VICTOR
1	US 20040111756/A1	DSL video service with storage	
1	JP 2005222577/A	INFORMATION PROCESSING APPARATUS AND METHOD, AND PROGRAM	SONY CORP
1	US 20080301317/A1	Method of Multiple File Streaming Service Through Playlist in Mobile Environment and System Thereof	VIADIATOR ENTPR INC
1	US 20040267937/A1	Client to server streaming of multimedia content using HTTP	
1	US 9189954/B2	Alternate user interfaces for multi tuner radio device	3D RADIO LLC; 3D RADIO LLC

BIBLIOGRAPHY **CLASSIFICATION**

Methods for creating a customized program from a variety of sources

PUB. DATE 04/25/2002

[View publication ↗](#)

ABSTRACT
The invention provides a method and system for defining a personalized sequence of discrete media content segments to be played at particular times. The media content segments are selected from live media content segments and archived media content segments. The method includes specifying an order of play of the media segments; specifying specific live media content segments having defined start times, durations and repeat intervals; and deriving a play sequence. The media content segments may be audio or video content segments. The system in a preferred embodiment is carried out using a series of web pages and the content defined by the sequence is provided to the user over a computer network.

INVENTOR(S) SHNIER J MITCHELL

APPLICANT(S)

APPLICATION # US 09994732/A

PRIORITY #

Email questions to:
inventorinfochat@uspto.gov

Citation List – Classification Window

uspto
About Us Careers Contact Us

Global Dossier Citation List
Home Public Pair Common Citation Document Citation list BETA Help Email us

Office: US Type: Application 12344567 Q ⓘ

US 12344567 SYSTEM AND METHOD OF SWITCHING FROM... VIEW PATENT FAMILY

Filters <<

19 Total Citations
19 Currently Shown ⓘ

CITATION TYPE

All IP5 Offices 19

EP 0

JP 4

KR 1

CN 0

US 14

Non-IP5 Offices 0

Non Patent Literature 0

CITATIONS IN PATENT FAMILY ▾

3	US 20020049974/A1	Methods for creating a customized program from a variety of sources
2	JP 2007066472/A	NETWORK PLAYER FOR MEDIA, CONTROL METHOD AND PROGRAM <i>KENWOOD CORP</i>
2	US 20070174866/A1	RULE-BASED PLAYLIST ENGINE <i>AOL LLC</i>
2	US 20080139189/A1	LOCAL MEDIA CACHE WITH LEADER FILES <i>SONY ERICSSON MOBILE COMM AB</i>
1	US 20070266403/A1	System and method for personalized video program listing and targeted content advertisement <i>SBC KNOWLEDGE VENTURES LP</i>
1	US 20060056324/A1	Apparatus and method to provide mobile music appliance with subscription-based play-list service <i>NOKIA CORP</i>
1	JP 2007166536/A	MULTIMEDIA VIEWING SYSTEM AND MULTIMEDIA VIEWING METHOD <i>SOFTBANK BB CORP</i>
1	US 20060173974/A1	System and method for providing mobile access to personal media <i>TANG VICTOR</i>
1	US 20040111756/A1	DSL video service with storage
1	JP 2005222577/A	INFORMATION PROCESSING APPARATUS AND METHOD, AND PROGRAM <i>SONY CORP</i>
1	US 20080301317/A1	Method of Multiple File Streaming Service Through Playlist in Mobile Environment and System Thereof <i>VIDIATOR ENTPR INC</i>
1	US 20040267937/A1	Client to server streaming of multimedia content using HTTP
1	US 9189954/B2	Alternate user interfaces for multi tuner radio device <i>3D RADIO LLC.3D RADIO LLC</i>

BIBLIOGRAPHY CLASSIFICATION

CPC

H04N 21/8106
G06F 17/30017
H04N 21/25891
H04N 21/2668
H04N 21/4532
H04N 21/8586

IPC

G06F 17/30
H04N 5/445

Email questions to:
inventorinfochat@uspto.gov

Citation List – Publication View

uspto

[About Us](#)
[Careers](#)
[Contact Us](#)

Global Dossier Citation List

[Home](#)
[Public Pair](#)
[Common Citation Document](#)
[Citation list](#) BETA

[Help](#)
[Email us](#)

Office: US Type: Application 12344567

US 12344567 SYSTEM AND METHOD OF SWITCHING FROM...

PATENTSCOPE
Search International and National Patent Collections

[Mobile](#) | [Deutsch](#) | [Español](#) | [Français](#) | [日本語](#) | [한국어](#) | [Português](#) | [Pycckий](#) | [中文](#) | [العربية](#)

[Search](#)
[Browse](#)
[Translate](#)
[Options](#)
[News](#)
[Login](#)
[Help](#)

[VIEW](#)
[PATENT FAMILY](#)

[Home](#) / [IP Services](#) / [PATENTSCOPE](#)

[Machine translation](#)

1. (JP2007066472) NETWORK PLAYER FOR MEDIA, CONTROL METHOD AND PROGRAM

[National Biblio. Data](#)
[Full Text](#)
[Documents](#)

Application Number: 2005254195 **Application Date:** 01.09.2005
Publication Number: 2007066472 **Publication Date:** 15.03.2007
Grant Number: 4436301 **Grant Date:** 24.03.2010
Publication Kind: B2

IPC:
G11B 27/10
G11B 20/10

Applicants:
KENWOOD CORP
株式会社ケンウッド; 東京都八王子市石川町 2 9 6 7 番地 3

Inventors:
SEKIYU GUCHI SATOSHI
関口 健
SONODA TAKEO
園田 剛男
NAKAMURA ISAO
中村 功
FURUKAWA MASAMICHI
古川 雅雄
MASHITA YOSHIHISA
真下 喜久
YOSHIDA CHOMEI
吉田 朝明
WATANABE MASATO
渡邊 真人

Priority Data:
2005254195 01.09.2005 JP

Title:
(EN) NETWORK PLAYER FOR MEDIA, CONTROL METHOD AND PROGRAM
(JA) ネットワークプレーヤー、制御方法及びプログラム

Abstract:
(EN) PROBLEM TO BE SOLVED: To perform resume playback in a network player 40 for media which plays back digital contents of a server device 46 for media.
SOLUTION: An interruption detection means 41 detects the playback interruption of the digital contents. When the playback interruption of the digital contents is detected, a resume information storage means 42 stores resume information concerning the digital contents and the interruption position. A resume detection means 43 detects the resumption of playback operation in a network player 40 for media. When the

Filters

CITATIONS IN PATENT FAMILY

19 Total Citations
19 Currently Shown

CITATION TYPE

All IP5 Offices 19

EP 0

JP 4

KR 1

CN 0

US 14

Non-IP5 Offices 0

Non Patent Literature 0

#	OFF.	APP. #	APP. DATE	PU	
1	US	12344567	12/28/2008	US	
2	KR	20127030959	11/25/2009	KR	
3	KR	20117017637	11/25/2009	KR	

2 JP 2007066472/A NETWORK PLAYER FOR MEDIA, KENWOOD CORP

2 US 20070174866/A RULE-BASED PLAYLIST ENGINE AOL LLC

2 US 20080139189/A LOCAL MEDIA CACHE WITH LEA SONY ERICSSON MOBILE COMM A

1 US 20070266403/A System and method for persona SBC KNOWLEDGE VENTURES LP

1 US 20060056324/A Apparatus and method to provi NOKIA CORP

1 JP 2007166536/A MULTIMEDIA VIEWING SYSTEM SOFTBANK BB CORP

1 US 20060173974/A System and method for providi TANG VICTOR

Date	Action
04/25/2002	View
03/15/2007	View
07/26/2007	View
06/12/2008	View
11/15/2007	View
03/16/2006	View
06/28/2007	View
08/03/2006	View

[Patent Family](#)

[Publication](#)

Citation List – Export

uspto About Us Careers Contact Us

Global Dossier Citation List

Home Public Pair Common Citation Document Citation list BETA Help Email us

Office: US Type: Application 12344567

US 12344567 SYSTEM AND METHOD OF SWITCHING FROM... VIEW

Filters CITATIONS IN PATENT FAMILY ▾

19 Total Citations
19 Currently Shown

CITATION TYPE

- All IP5 Offices 19
- EP 0
- JP 4
- KR 1
- CN 0
- US 14
- Non-IP5 Offices 0
- Non Patent Literature 0

3 [US 20020049974/A1](#) Methods for creating a customized program from a variety of sources 04/25/2002

[Applications citing this reference](#)

#	OFF. ▾	APP. #	APP. DATE	PUB. NUMBER (DATE)	
Patent family Citations for US12344567 - SYSTEM AND METHOD OF SWITCHING FROM STREAMING CONTENT TO LOCAL CONTENT					
Citations Data					
US 20020049974 A1		Methods for creating a customized program from a variety of sources		4/25/2002	03/15/2007 <input type="button" value="View"/>
US 20070174866 A1		RULE-BASED PLAYLIST ENGINE	AOL LLC	7/26/2007	07/26/2007 <input type="button" value="View"/>
JP 2007066472 A		NETWORK PLAYER FOR MEDIA, CONTROL METHOD AND PROGRAM	KENWOOD CORP	3/15/2007	06/12/2008 <input type="button" value="View"/>
US 20080139189 A1		LOCAL MEDIA CACHE WITH LEADER FILES	SONY ERICSSON MOBILE COMM AB	6/12/2008	11/15/2007 <input type="button" value="View"/>
JP 2007166536 A		MULTIMEDIA VIEWING SYSTEM AND MULTIMEDIA VIEWING	SOFTBANK BB CORP	6/28/2007	03/16/2006 <input type="button" value="View"/>
US 20070266403 A1		System and method for personalized video program listing and targeted content advertisement	SBC KNOWLEDGE VENTURES LP	11/15/2007	06/28/2007 <input type="button" value="View"/>
US 20060056324 A1		Apparatus and method to provide mobile music appliance with subscription-based play-list service	NOKIA CORP	3/16/2006	08/03/2006 <input type="button" value="View"/>

Export entire citation list

PDF format

CSV format

uspto

32

Citation List

uspto About Us Careers Contact Us

Global Dossier Citation List

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

Office Type

US 12344567 SYSTEM AND METHOD OF SWITCHING FROM... **View Patent Family in new window**

Filters << CITATIONS IN PATENT FAMILY ▾

19 Total Citations
19 Currently Shown ⓘ

CITATION TYPE

- All IP5 Offices 19
- EP 0
- JP 4
- KR 1
- CN 0
- US 14
- Non-IP5 Offices 0
- Non Patent Literature 0

3	US 20020049974/A1	Methods for creating a customized program from a variety of sour...	04/25/2002	View ▾
2	US 20070174866/A1	RULE-BASED PLAYLIST ENGINE	07/26/2007 AOL LLC	View ▾
2	JP 2007066472/A	NETWORK PLAYER FOR MEDIA, CONTROL METHOD AND PROGR...	03/15/2007 KENWOOD CORP	View ▾
2	US 20080139189/A1	LOCAL MEDIA CACHE WITH LEADER FILES	06/12/2008 SONY ERICSSON MOBILE COMM AB	View ▾

Applications citing this reference

#	OFF. ▾	APP. # ▾	APP. DATE ▾	PUB. NUMBER (DATE)	RELEVANCY DATA
1	US	PCT/US09/65917	11/25/2009	WO 2010074880 A1 <input type="button" value="External"/> (07/01/2010)	<i>Section:</i> paragraph 4; paragraph 6; paragraph 57 - paragraph 58 X <i>Claims:</i> 1-2,6-7,11-12,16-17,3-5,8-10,13-15,18-21,28,35,42 A <i>Claims:</i> 1-2,6-7,11-12,16-17,3-5,8-10,13-15,18-21,28,35,42
2	KR	20117017637	11/25/2009	KR 20110099779 A <input type="button" value="External"/> (09/08/2011), KR 101367043 B1 <input type="button" value="External"/> (02/24/2014)	

Email questions to:
inventorinfochat@uspto.gov

Stakeholder Input on Global Dossier

- IdeaScale - <http://uspto-globaldossier.ideascale.com/>
 - IdeaScale is one of the ways that USPTO will be gathering stakeholder input and feedback on Global Dossier.
 - Vote and comment on the various ideas
 - Provide additional suggestions for services and features that would improve the ability to monitor and manage related cases around the world
- Contact the Global Dossier Team
 - GlobalDossier@USPTO.gov

Email questions to:
inventorinfochat@uspto.gov



Global Dossier Contacts

E-mail: GlobalDossier@USPTO.gov

Nelson Yang

**Acting Director, International
Patent Business Solutions**

571-272-0826

Nelson.Yang@USPTO.gov

Jessica Patterson

**Director, International Outreach
and Administration**

571-272-8828

Jessica.Patterson@USPTO.gov

Email questions to:
inventorinfochat@uspto.gov



