



Topic 6A: **PATENTSCOPE & US-PAIR**

Lutz Mailänder
Head, Patent Information Section
Global IP Infrastructure Sector

Manila
7 August 2014

Agenda

- File inspection through
 - Patentscope
 - US Public Pair

Patentscope's role

- WIPO's authoritative publication platform of PCT (primary source=
 - Weekly publication (Thursday)
 - File inspection for international phase
 - Register: International phase legal status
 - Some national phase entry data (only for selected IPOs contributing data)
- Secondary source for patent information from other jurisdictions
 - Collects data from other authoritative (primary) sources
 - Gradual expansion of coverage
 - Retrievable through simple and advanced search interfaces
 - Cross Lingual Search (CLIR): translation of search queries
 - **No family information, no national phases file inspection**

Patentscope

- Official publication platform of the PCT system (primary source for PCT)
 - Patent documents
 - File inspection for international phase
 - ISRs
 - WOs
 - IPRP chapter I/II
 - Priority documents
 - International legal status
 - National phase entry data (only for selected IPOs contributing data)
- **No family information**
- No national phase legal status
- No national phases file inspection

Patentscope

- Secondary source for patent information from other jurisdictions
 - Collects data from other authoritative (primary) sources
 - Gradual expansion of coverage
- Retrievable through simple and advanced search interfaces
- Broad range of search fields, e.g. PCT full text search, US full text
- Complex search queries
- Cross language search (CLIR): translation of search queries
- No family reduction
- Translation interfaces for patent documents
- Visualization of statistical analysis of search results
- Filtering and relevance ranking of result list

<http://patentscope.wipo.int/search/en/search.jsf>

Patentscope: simple search interface

WIPO  **PATENTSCOPE** Mobile | Deutsch | Español | Français | 日本語 | 한국어 | Português | Русский | 中文 |

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Home > IP Services > PATENTSCOPE

Simple Search


Using PATENTSCOPE you can search 32.5 million patent documents including 2.2 million published international patent applications (PCT). Detailed coverage information can be found here (->)

Front Page

 National collection of Estonia now available.

Example: PCT/US2007/07071 = WO2007111918

Patentscope: "front page" (HTML)



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Home > IP Services > PATENTSCOPE

1. **(WO2007111918) HEAT PROCESSING SYSTEMS, APPARATUSES, AND METHODS FOR COLLECTION AND DISPOSAL OF INFECTIOUS AND MEDICAL WASTE**

PCT Biblio. Data

Description

Claims

National Phase

Notices

Drawings

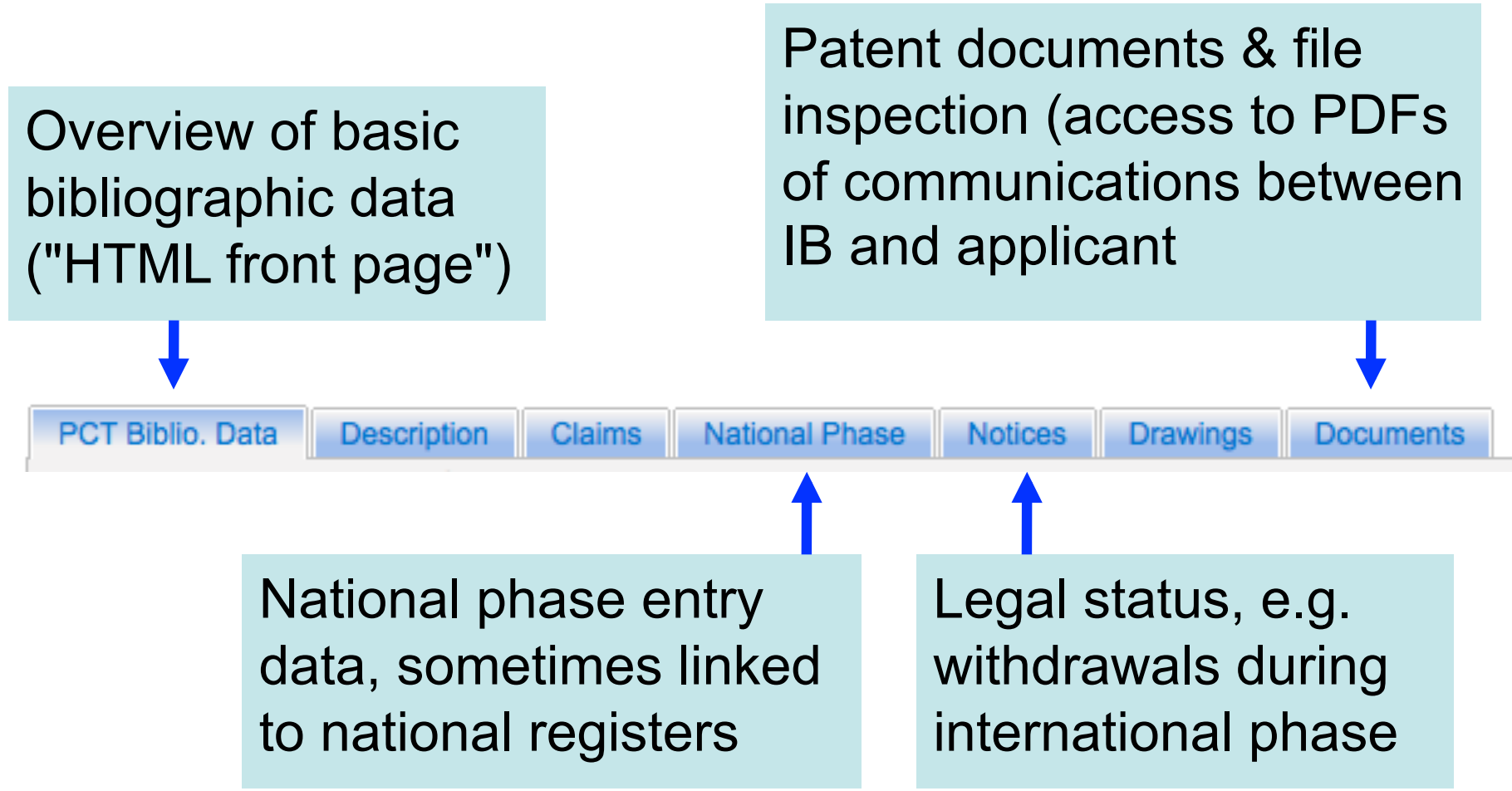
Documents

Latest bibliographic data on file with the International Bureau PermaLink

Pub. No.:	WO/2007/111918	International Application No.:	PCT/US2007/007071
Publication Date:	04.10.2007	International Filing Date:	22.03.2007
IPC:	A61L 11/00 (2006.01), A61B 19/02 (2006.01), A61M 5/32 (2006.01), B09B 3/00 (2006.01) ?		
Applicants:	BIOMEDICAL TECHNOLOGY SOLUTIONS, INC. [US/US]; 9800 Mt. Pyramid Ct., Suite 350, Englewood, Colorado 80112 (US) <i>(For All Designated States Except US)</i> . COX, Donald G. [US/US]; (US) <i>(For US Only)</i> . GORDER, Diane R. [US/US]; (US) <i>(For US Only)</i>		
Inventors:	COX, Donald G.; (US). GORDER, Diane R.; (US)		
Agent:	PRATT, John S.; Kilpatrick Stockton LLP, Suite 2800, 1100 Peachtree Street, Atlanta, Georgia 30309 (US)		
Priority Data:	60/785,512 23.03.2006 US 60/785,548 23.03.2006 US		
Title	(EN) HEAT PROCESSING SYSTEMS, APPARATUSES, AND METHODS FOR COLLECTION AND DISPOSAL OF INFECTIOUS AND MEDICAL WASTE (FR) SYSTEMES, APPAREILS ET PROCEDES DE TRAITEMENT THERMIQUE POUR LA COLLECTE ET L'ELIMINATION DE DECHETS INFECTIEUX ET MEDICAUX		
Abstract:	(EN) Various embodiments of systems and methods for collection and disposal of infectious and medical waste are		



Patentscope



Patentscope: national phase data

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1. (WO2007111918) HEAT PROCESSING SYSTEMS, APPARATUSES, AND METHODS FOR COLLECTION AND DISPOSAL OF INFECTIOUS AND MEDICAL WASTE

Office	Entry Date	National Number	National Status
Australia	16.09.2008	2007231591	Published: 09.10.2008
Canada	17.09.2008	2646350	
European Patent Office (EPO)	24.09.2008	2007753679	Published: 03.12.2008
India	19.09.2008	3822/KOLNP/2008	Published: 27.09.2009
Japan	22.09.2008	2009501550	

National phase application numbers
 Link to national register
 unlinked

Patentscope: national phase data

- National phase entry (NPE) data is limited to information voluntarily shared by member offices
- No obligation of member offices to share NPEs or non-NPEs
- Espacenet family information is a more comprehensive source for NPEs since they don't wait for offices to report; instead, they build families which then also include PCT NPEs, e.g. for each family including a PCT application, the other members of the family are usually NPEs if the country is a member of the PCT.

Patentscope: PCT file inspection

2. (WO2007111918) HEAT PROCESSING SYSTEMS, APPARATUSES, AND METHODS FOR COLLECTION AND DISPOSAL OF INFECTIOUS AND MEDICAL WASTE

↓

PCT Biblio. Data | Description | Claims | National Phase | Notices | Drawings | Documents

International Application Status ?			
Date	Title	View	Download
17.11.2013	International Application Status Report	HTML, PDF	PDF, XML
Published International Application			
Date	Title	View	Download
04.10.2007	Initial Publication without ISR (A2 40/2007)	PDF (80p.)	PDF (80p.), ZIP(XML + TIFFs)
31.01.2008	Later publication of international search report (A3 05/2008)	PDF (7p.)	PDF (7p.), ZIP(XML + TIFFs)
Related Documents on file at the International Bureau			
Date	Title	View	Download
23.09.2008	(IB/373) International Preliminary Report on Patentability Chapter I	PDF (9p.)	PDF (9p.), ZIP(XML + TIFFs)
23.09.2008	Written Opinion of the International Search Authority	PDF (8p.)	PDF (8p.), ZIP(XML + TIFFs)
04.10.2007	(RO/101) Request form	PDF (4p.)	PDF (4p.), ZIP(XML + TIFFs)
04.10.2007	US 60/785,512 23.03.2006 (Pr. Doc.)	PDF (57p.)	
04.10.2007	US 60/785,548 23.03.2006 (Pr. Doc.)	PDF (51p.)	
04.10.2007	(IB/304) Notification Concerning Submission or Transmittal of Priority Document	PDF (1p.)	

Covers only international phase

USPTO – Public PAIR

■ Patent Application Information Retrieval (PAIR)

The screenshot shows the USPTO website's PAIR interface. At the top, there is a navigation bar with links for Home, Site Index, Search, FAQ, Glossary, Guides, Contacts, eBusiness, eBiz Alerts, News, and Help. Below this is a secondary navigation bar with Portal Home, Patents, Trademarks, and Other. The main content area is divided into two columns. The left column contains a sidebar with sections for Patent eBusiness (Electronic Filing, Patent Application Information (PAIR), Patent Ownership, Fees, Supplemental Resources & Support), Patent Information (Patent Guidance and General Info, Codes, Rules & Manuals, Employee & Office Directories, Resources & Public Notices), Patent Searches (Patent Official Gazette, Search Patents & Applications, Search Biological Sequences, Copies, Products & Services), and Other (Copyrights, Trademarks, Policy & Law, Reports). The right column is titled 'Patent Application Information Retrieval' and features a 'Select New Case' button. Below the button, there is a heading 'Select New Case' and a note: '* indicates a required field'. A paragraph states: 'You may search for a specific application or conduct a search related to a customer number.' Underneath is the section 'Search for Application:' with the instruction 'Choose type of number:'. There are five radio button options: 'Application Number' (EXAMPLE: 99999999 or 99/999999), 'Control Number', 'Patent Number', 'PCT Number' (EXAMPLE: PCT/CCYY/99999 or PCT/CCYYY/999999), and 'Publication Number'. Each option has an information icon (i). At the bottom of this section, there is a text input field labeled '* Enter number:' and a 'SEARCH' button. Below the search section, there is a section titled 'If you need help:' with three bullet points: 'Call the Patent Electronic Business Center at (866) 217-9197 (toll free) or e-mail EBC@uspto.gov for specific questions about Patent Application Information Retrieval (PAIR).', 'Send general questions about USPTO programs to the [USPTO Contact Center \(UCC\)](#).', and 'If you experience technical difficulties or problems with this application, please report them via e-mail to [Electronic Business Support](#) or call 1 800-786-9199.'



US-Public PAIR

- <http://portal.uspto.gov/external/portal/pair>
- Patent register and public file inspection for published US applications
- US specific terminology
- Only number search possible; no name, keyword search etc
- Various numbers, eg for [PCT/US2007/07071](#), search is possible for
 - US application number, e.g. [11/689,638](#)
 - US patent number (if granted; not the case for present example)
 - PCT application number, e.g. [PCT/US07/07071](#)
 - US application publication number, e.g. [2007-0224077](#)
- Different number formats possible, although not necessarily those used by other databases (e.g., publication numbers WO2007111918, or US20070224077A1 are not accepted); see examples on search interface

US-PAIR: overview of application data

Recent status

Patent Application Information Retrieval

Order Certified Application As Filed Order Certified File Wrapper View Order List

11/689,638 Heat Processing Systems, Apparatuses, and Methods for Collection and Disposal of Infectious and Medical Waste 57015-340945

Select New Case Application Data Transaction History Image File Wrapper Continuity Data Published Documents Address & Attorney/Agent Display References

Bibliographic Data

Application Number:	11/689,638	Customer Number:	-
Filing or 371 (c) Date:	03-22-2007	Status:	Abandoned -- Failure to Respond to an Office Action
Application Type:	Utility	Status Date:	05-29-2012
Examiner Name:	YOO, REGINA M	Location:	ELECTRONIC
Group Art Unit:	1775	Location Date:	-
Confirmation Number:	2270	Earliest Publication No:	US 2007-0224077 A1
Attorney Docket Number:	57015-340945	Earliest Publication Date:	09-27-2007
Class / Subclass:	422/001	Patent Number:	-
First Named Inventor:	Donald G. Cox , Franktown, CO (US) all Inventors	Issue Date of Patent:	-
First Named Applicant:	-	AIA (First Inventor to File):	No
Entity Status:	Small		

Title of Invention: Heat Processing Systems, Apparatuses, and Methods for Collection and Disposal of Infectious and Medical Waste

US-PAIR

Overview of basic bibliographic and status data

File inspection: access to PDFs of all communications between office and applicant



List of actions taken by USPTO or applicant

National family

Tables of prior art (search report)

US-PAIR: transaction history

11/689,638 Heat Processing Systems, Apparatuses, and Methods for Collection and

Select New Case Application Data Transaction History Image File Wrapper Continuity Data Published Documents Address & Attorney/Agent Display References

Transaction History	
Date	Transaction Description
05-30-2012	Mail Abandonment for Failure to Respond to Office Action
05-29-2012	Aband. for Failure to Respond to O. A.
05-21-2012	Mail-Petition Decision - Granted
05-21-2012	Petition Decision - Granted
05-18-2012	Correspondence Address Change
05-11-2012	Petition Entered
01-31-2012	Mail-Petition Decision - Dismissed
01-31-2012	Petition Decision - Dismissed
01-23-2012	Petition Entered
10-26-2011	Electronic Review
10-26-2011	Email Notification
10-26-2011	Mail Non-Final Rejection
10-20-2011	Non-Final Rejection
08-31-2011	Date Forwarded to Examiner
08-24-2011	Request for Continued Examination (RCE)
08-31-2011	Disposal for a RCE / CPA / R129
08-24-2011	Request for Extension of Time - Granted
08-24-2011	Workflow - Request for RCE - Begin
04-12-2011	Case Docketed to Examiner in GAU
02-24-2011	Electronic Review
02-24-2011	Email Notification

Table of actions by office/ examiner or applicant and related dates

US-PAIR: image file wrapper



Mail Room	Date	Document Code	Document Description	Document Category	Page Count	PDF
05-30-2012		ABN	Abandonment	PROSECUTION	2	<input type="checkbox"/>
05-21-2012		N570	Communication - Re: Power			
05-21-2012		PETDEC	Petition Decision			
05-21-2012		BIB	Bibliographic Data Sheet	PROSECUTION	1	<input type="checkbox"/>
05-11-2012		PET.POA.WDRW	Petition to withdraw attorney or agent (SB83)	PROSECUTION	4	<input type="checkbox"/>
05-11-2012		N417	EFS Acknowledgment Receipt	PROSECUTION	2	<input type="checkbox"/>
05-11-2012		TRAN.LET	Transmittal Letter	PROSECUTION	2	<input type="checkbox"/>
01-31-2012		PETDEC	Petition Decision	PROSECUTION	2	<input type="checkbox"/>
01-23-2012		PET.POA.WDRW	Petition to withdraw attorney or agent (SB83)	PROSECUTION	2	<input type="checkbox"/>
01-23-2012		N417	EFS Acknowledgment Receipt	PROSECUTION	2	<input type="checkbox"/>
10-26-2011		CTNF	Non-Final Rejection	PROSECUTION	5	<input type="checkbox"/>
10-26-2011		FWCLM	Index of Claims	PROSECUTION	1	<input type="checkbox"/>
08-24-2011		RCEX	Request for Continued Examination (RCE)	PROSECUTION	3	<input type="checkbox"/>
08-24-2011		WFEE	Fee Worksheet (SB06)	PROSECUTION	2	<input type="checkbox"/>
08-24-2011		N417	EFS Acknowledgment Receipt	PROSECUTION	2	<input type="checkbox"/>
08-24-2011		AMSB	Amendment Submitted/Entered with Filing of CPA/RCE	PROSECUTION	1	<input type="checkbox"/>
08-24-2011		CLM	Claims	PROSECUTION	4	<input type="checkbox"/>
08-24-2011		REM	Application Arguments/Remarks Made in an Amendment	PROSECUTION	3	<input type="checkbox"/>

Written opinion/examination report

Claims on which report is based

US-PAIR: sample PDF non final rejection

= "written opinion"

Office Action Summary	Application No.	Applicant(s)	
	11/689,638	COX ET AL.	
	Examiner	Art Unit	
	REGINA M. YOO	1775	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 24 August 2011.
- 2a) This action is **FINAL**.
- 2b) This action is non-final.
- 3) An election was made by the applicant in response to a restriction requirement set forth during the interview on ____; the restriction requirement and election have been incorporated into this action.
- 4) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 5) Claim(s) 1,2,4,6,7,9,10 and 26-28 is/are pending in the application.
 - 5a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 6) Claim(s) ____ is/are allowed.

US-PAIR: sample PDF non final rejection

application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 8/24/2011 has been entered.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

3. Claims 1-2, 4, 6-7, 9-10 and 26-28 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the

US-PAIR: prior art in image file wrapper

"Image File Wrapper" contains search and examination reports

09-28-2006	WFEE	Fee Worksheet (SB06)	PROSECUTION	1	<input type="checkbox"/>
04-28-2006	CTNF	Non-Final Rejection	PROSECUTION	10	<input type="checkbox"/>
04-28-2006	1449	List of References cited by applicant and considered by examiner	PRIOR ART	1	<input type="checkbox"/>
04-28-2006	892	List of references cited by examiner	PRIOR ART	1	<input type="checkbox"/>
04-28-2006	FWCLM	Index of Claims	PROSECUTION	1	<input type="checkbox"/>

Notice of References Cited	Application/Control No. 11/093,685	Applicant(s)/Patent Under Reexamination CHAN ET AL.	
	Examiner Tina M. Wong	Art Unit 2874	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-6,081,638	06-2000	Zhou, Ping	385/31
*	B	US-6,842,467	01-2005	Aronson et al.	372/27
*	C	US-5,179,420	01-1993	So et al.	356/73.1
	D	US-			
	E	US-			



US-PAIR: prior art tab

11/689,638 Heat Processing Systems, Apparatuses, and Methods for Collection and Disposal of Infectious and Medical Waste							
Select New Case	Application Data	Transaction History	Image File Wrapper	Continuity Data	Published Documents	Address & Attorney/Agent	Display References
Reference Forms							
Mail Room Date	Document Code	Document Description					
02-24-2011	892	List of references cited by examiner					
09-16-2010	1449	List of References cited by applicant and considered by examiner					
08-16-2010	IDS	Information Disclosure Statement (IDS) Form (SB08)					
06-23-2009	892	List of references cited by examiner					
06-23-2009	1449	List of References cited by applicant and considered by examiner					
09-12-2007	IDS	Information Disclosure Statement (IDS) Form (SB08)					
Foreign Patent and Non-Patent Documents							
Mail Room Date	Document Code	Document Description					
08-16-2010	NPL	Non Patent Literature					
08-16-2010	NPL	Non Patent Literature					
08-16-2010	NPL	Non Patent Literature					
08-16-2010	NPL	Non Patent Literature					
09-12-2007	FOR	Foreign Reference					
09-12-2007	FOR	Foreign Reference					
09-12-2007	FOR	Foreign Reference					

US-PAIR: search report US examiner

Notice of References Cited			Application/Control No. 11/689,638	Applicant(s)/Patent Under Reexamination COX ET AL.	
			Examiner REGINA YOO	Art Unit 1773	Page 1 of 1
U.S. PATENT DOCUMENTS					
*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-4,662,516 A	05-1987	Baker et al.	206/363
*	B	US-5,003,892 A	04-1991	Bricken, Jonathan	110/346
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			
FOREIGN PATENT DOCUMENTS					
*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name
	N				

Search reports are **not enriched**, i.e. no X,Y,A; no references to claims, no references to pages, lines, drawings,..

US-PAIR: national family



11/689,638 Heat Processing Systems, Apparatuses, and Methods for Collection and Disposal of Infectious and Medical Waste 57015-340945							
Select New Case	Application Data	Transaction History	Image File Wrapper	Continuity Data	Published Documents	Address & Attorney/Agent	Display References
Parent Continuity Data							
Description	Parent Number	Parent Filing or 371(c) Date	AIA(First Inventor to File)	Parent Status	Patent Number		
This application Claims Priority from Provisional Application	60/785,512	03-23-2006	-	Expired	-		
Claims Priority from Provisional Application	60/785,548	03-23-2006	-	Expired	-		
Child Continuity Data							
No Child Continuity Data Found							

Comparison to Espacenet family data

US-PAIR: Types of examination results

- US specific terminology
- Retrievable as separate PDFs:
 - "Non final rejection" > preliminary written opinion
 - "Final rejection" > rejection ruling/decision
 - Search strategy
 - Prior art cited by examiner
 - Prior art cited by applicant (disclosure requirement)
 - Amended claims

US publication sources

- US-PAIR offers a lot of data related to US applications
- However, no keyword, name, date or classification searches are possible
- Keyword, name, date or classification searches possible in
 - **PatFT: only publications of published grants**
 - full text from 1976
 - **AppFT: only publications of applications**
 - full text from March 2001
 - 18 month after filing/priority date

[patft](#)

US primary sources



United States Patent and Trademark Office
An Agency of the Department of Commerce

Patent Full-Text Databases

PatFT: Patents

Full-Text from 1976

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<< BOTH SYSTEMS >>

The databases are operating normally.

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