# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4510582

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MI WANG	04/27/2017
JIABIN JIA	04/28/2017
YOUSEF FARAJ	05/03/2017
QIANG WANG	05/02/2017

#### **RECEIVING PARTY DATA**

Name:	UNIVERSITY OF LEEDS
Street Address:	CHARLES THACKRAH BUILDING,
Internal Address:	101 CLARENDON ROAD,
City:	LEEDS, YORKSHIRE
State/Country:	GREAT BRITAIN
Postal Code:	LS2 9LJ

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15511155

### **CORRESPONDENCE DATA**

Fax Number: (612)349-9266

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

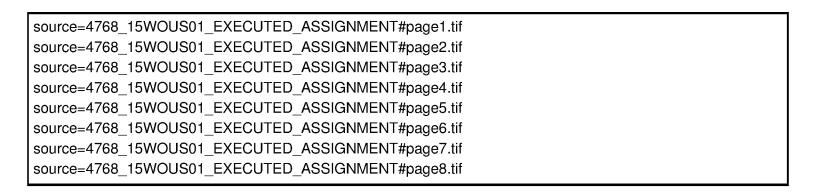
Phone: 612.252.1543

Email: landree@ptslaw.com CHAD J. WICKMAN **Correspondent Name:** Address Line 1: 80 SOUTH 8TH STREET Address Line 2: 4800 IDS CENTER

MINNEAPOLIS, MINNESOTA 55402 Address Line 4:

ATTORNEY DOCKET NUMBER:	4768.15WOUS01
NAME OF SUBMITTER:	NICOLE E. LANDREE
SIGNATURE:	/NICOLE E. LANDREE/
DATE SIGNED:	07/19/2017

**Total Attachments: 8** 



#### **ASSIGNMENT**

WHEREAS, we, Mi Wang, c/o School of Chemical and Process Engineering, Engineering Building, University of Leeds, Leeds, Yorkshire LS2 9JT, GREAT BRITAIN, Jiabin Jia, 24 Wester Hill, Edinburgh, Central Scotland EH10 5XG, GREAT BRITAIN, Yousef Faraj, 46 Gilbert Grove, Lockwood, Huddersfield, Yorkshire HD4 5EU, GREAT BRITAIN, Qiang Wang, c/o School of Chemical and Process Engineering, Engineering Building, University of Leeds, Leeds, Yorkshire LS2 9JT, GREAT BRITAIN, ("Assignors"), have invented certain new and useful improvements in TOMOGRAPHY APPARATUS, MULTI-PHASE FLOW MONITORING SYSTEM, AND CORRESPONDING METHODS, for which an application for Letters Patent of the United States has been made, and which may be identified in the United States Patent Office by Application No. 15/511,155, filed March 14, 2017.

WHEREAS, UNIVERSITY OF LEEDS, ("Assignee"), a business entity organized and existing under the laws of the of Great Britain, and having its principal offices at Charles Thackrah Building 101 Clarendon Road Leeds Yorkshire LS2 9LJ, Great Britain is desirous of acquiring the entire right, title and interest in and to said invention, said application and in, to and under any and all Letters Patent to be obtained therefor.

NOW, THEREFORE, for and in consideration of good and valuable consideration paid by Assignee to Assignors, the receipt and sufficiency of which is hereby acknowledged by us, we have sold, assigned and transferred, and by these presents do hereby sell, assign and transfer unto the said Assignee, its successors and assigns, our entire right, title and interest in and to said invention, said application, all applications claiming priority to said application including all divisions, continuations or renewals thereof, and the Letters Patent, both foreign and domestic, that may or shall issue, therefrom including all reissues or extensions of such patents including all of our rights under the International Convention and further including the right to sue, counterclaim and recover for past, present and future infringement of the rights assigned or to be assigned, as fully and entirely as the same would have been held by the Assignors if this assignment had not been made, and we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the above mentioned Assignce in accordance herewith.

We hereby authorize the above mentioned Assignce, its successors and assigns, or anyone it may properly designate, to insert in this instrument the date of execution and/or filing date and application number of said application when ascertained.

We further authorize said Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of said United States application and/or otherwise take advantage of the provisions of the International Convention.

Upon said consideration we do hereby covenant and agree with the said Assignee, its successors and assigns, that we will not execute in writing or do any act whatsoever conflicting with these presents, and that we or our executors or administrators will at any time upon request, without further or additional consideration, but at the expense of the said Assignee, its successors

and assigns, execute such additional writings and do such additional acts as said Assignee, its successors and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, or of any and all foreign countries on said invention, and in enforcing any rights occurring as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

Date: 27 Apri/ 2017	
Day/Month/Year/	Mi Wang
Date:	
Day/Month/Year	Jiabin Jia
Date:	
Day/Month/Year	Yousef Faraj
Date:	
Dav/Month/Year	Oiang Wang

#### ASSIGNMENT

WHEREAS, we, Mi Wang, c/o School of Chemical and Process Engineering, Engineering Building, University of Leeds, Leeds, Yorkshire LS2 9JT, GREAT BRITAIN, Jiabin Jia, 24 Wester Hill, Edinburgh, Central Scotland EH10 5XG, GREAT BRITAIN, Yousef Faraj, 46 Gilbert Grove, Lockwood, Huddersfield, Yorkshire HD4 5EU, GREAT BRITAIN, Qiang Wang, c/o School of Chemical and Process Engineering, Engineering Building, University of Leeds, Leeds, Yorkshire LS2 9JT, GREAT BRITAIN, ("Assignors"), have invented certain new and useful improvements in TOMOGRAPHY APPARATUS, MULTI-PHASE FLOW MONITORING SYSTEM, AND CORRESPONDING METHODS, for which an application for Letters Patent of the United States has been made, and which may be identified in the United States Patent Office by Application No. 15/511,155, filed March 14, 2017.

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and assigns, execute such additional writings and do such additional acts as said Assignee, its successors and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, or of any and all foreign countries on said invention, and in enforcing any rights occurring as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

Date:		
Day/Month/Year	Mi Wang	
Date: 28 April 2017 Day/Month/Year	J. Jiabin Jia	
Date: Day/Month/Year	Yousef Faraj	
Date:	Qiang Wang	

#### ASSIGNMENT

WHEREAS, we, Mi Wang, c/o School of Chemical and Process Engineering, Engineering Building, University of Leeds, Leeds, Yorkshire LS2 9JT, GREAT BRITAIN, Jiabin Jia, 24 Wester Hill, Edinburgh, Central Scotland EH10 5XG, GREAT BRITAIN, Yousef Faraj, 46 Gilbert Grove, Lockwood, Huddersfield, Yorkshire HD4 5EU, GREAT BRITAIN, Qiang Wang, c/o School of Chemical and Process Engineering, Engineering Building, University of Leeds, Leeds, Yorkshire LS2 9JT, GREAT BRITAIN, ("Assignors"), have invented certain new and useful improvements in TOMOGRAPHY APPARATUS, MULTI-PHASE FLOW MONITORING SYSTEM, AND CORRESPONDING METHODS, for which an application for Letters Patent of the United States has been made, and which may be identified in the United States Patent Office by Application No. 15/511,155, filed March 14, 2017.

WHEREAS, UNIVERSITY OF LEEDS, ("Assignee"), a business entity organized and existing under the laws of the of Great Britain, and having its principal offices at Charles Thackrah Building 101 Clarendon Road Leeds Yorkshire LS2 9LJ, Great Britain is desirous of acquiring the entire right, title and interest in and to said invention, said application and in, to and under any and all Letters Patent to be obtained therefor,

NOW, THEREFORE, for and in consideration of good and valuable consideration paid by Assignee to Assignors, the receipt and sufficiency of which is hereby acknowledged by us, we have sold, assigned and transferred, and by these presents do hereby sell, assign and transfer unto the said Assignee, its successors and assigns, our entire right, title and interest in and to said invention, said application, all applications claiming priority to said application including all divisions, continuations or renewals thereof, and the Letters Patent, both foreign and domestic, that may or shall issue, therefrom including all reissues or extensions of such patents including all of our rights under the International Convention and further including the right to sue, counterclaim and recover for past, present and future infringement of the rights assigned or to be assigned, as fully and entirely as the same would have been held by the Assignors if this assignment had not been made, and we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the above mentioned Assignee in accordance herewith.

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and assigns, execute such additional writings and do such additional acts as said Assignee, its successors and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, or of any and all foreign countries on said invention, and in enforcing any rights occurring as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

Date:	
Day/Month/Year	Mi Wang
Date:	
Day/Month/Year	Jiabin Jia
Date: 03/05//7 Day/Month/Year	Yousef Faraj
Date:	
Day/Month/Year	Qiang Wang

Attorney Docket No. 4768 15WODS01

#### ASSIGNMENT

WHEREAS, we. Mi Wang. c/o School of Chemical and Process Engineering, Engineering Building, University of Leeds, Leeds, Vorkshire LS2 9IT, GREAT BRITAIN, Jiabin Jia, 24 Wester Hill, Edinburgh, Central Scotland EH10 5XG, GREAT BRITAIN, Yousef Fami, 46 Gilbert Grove, Lockwood, Huddersfield, Yorkshire HD4 SEU, GREAT BRITAIN, Qiang Wang, c/o School of Chemical and Process Engineering, Engineering Building, University of Leeds, Leeds, Yorkshire LS2 9IT, GREAT BRITAIN, ("Assignors"), have invented certain new and useful improvements in TOMOGRAPHY APPARATUS, MULTI-PHASE FLOW MONITORING SYSTEM, AND CORRESPONDING METHODS, for which an application for Letters Patent of the United States has been made, and which may be identified in the United States Patent Office by Application No. 15/511,188, filed March 14, 2017.

WHEREAS, UNIVERSITY OF LEEDS, ("Assignce"), is business entity organized and existing under the laws of the of Grew Britain, and having its principal offices at Charles Thackraft Building, 101 Clarendon Road Loads Yorkshire LS2 9LJ, Great Britain is desirous of acquiring the entire right, title and interest in and to said invention, said application and in, to and under any and all Letters Patem to be obtained therefor.

NOW, THEREFORE, for and in consideration of good and valuable consideration paid by Assignce to Assignors, the receipt and sufficiency of which is hereby acknowledged by us, we have sold, assigned and transferred, and by these presents do hereby self, assign and transfer unto the said Assignee, its successors and assigns, our entire right, title and interest in and to said invention, said application, all applications vlaiming priority to said application including all divisions, continuations or renewals thereof, and the Letters Patent, both foreign and domestic, that may or shall issue, therefrom including all reissues or extensions of such patents including all of our rights under the International Convention and further including the right to suc, counterclaim and recover for past, present and future infringement of the rights assigned or to be assigned, as fully and entirely as the same would have been held by the Assignors if this assignment had not been made, and we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the above mentioned Assignee in accordance herebyth.

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Application No. 15/511,155

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Ďate:	:		
	Day/Month/Year	Mi Wang	
Date:			
	Osy/Month/Year	Jiabin Jia	
Date:			
	Day/Month/Year	Yousef Faraj	
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		3/1/8	
Date:	02/05/2017	415	
	Day/Month/Year	Qiang Wang	

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