

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5645285

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
XUDONG ZHAO	07/30/2019
PENG XU	04/12/2019
XIAOLI MA	07/22/2019
KEVIN FANCEY	07/19/2019
JUNMING LI	07/25/2019
RECEIVING PARTY DATA	
Name:	UNIVERSITY OF HULL
Street Address:	THE KNOWLEDGE EXCHANGE COTTINGHAM ROAD
City:	HULL
State/Country:	GREAT BRITAIN
Postal Code:	HU6 7RX
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16342144
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
Email:	docket-us@lsk-iplaw.com, ejasinska@lsk-iplaw.com
Correspondent Name:	LEMPIA SUMMERFIELD KATZ LLC
Address Line 1:	20 SOUTH CLARK STREET
Address Line 2:	SUITE 600
Address Line 4:	CHICAGO, ILLINOIS 60603
ATTORNEY DOCKET NUMBER:	010155-19001A
NAME OF SUBMITTER:	BRYAN J. LEMPIA
SIGNATURE:	/Bryan J. Lempia/
DATE SIGNED:	07/31/2019
Total Attachments: 6	
source=Assignment_as recorded#page1.tif	

source=Assignment_as recorded#page2.tif
source=Assignment_as recorded#page3.tif
source=Assignment_as recorded#page4.tif
source=Assignment_as recorded#page5.tif
source=Assignment_as recorded#page6.tif

ASSIGNMENT

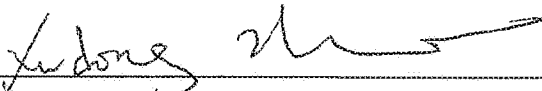
WHEREAS, Xudong ZHAO, Peng XU, Xiaoli MA, Kevin FANCEY, and Junming LI, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled HEAT EXCHANGER APPARATUS, executed by Assignors on the same date as, or on a date prior to, this Assignment;

WHEREAS, UNIVERSITY OF HULL, hereinafter called the "Assignee", desire to acquire the entire right, title and interest in and to the invention(s) and the patent application identified above, and all patents which may be obtained for said invention(s), as set forth below. The Assignors acknowledge that the above Case No., Docket No., Serial No., and/or filing date of the patent application may be added after execution of this Assignment, as needed and when said information becomes known or available;

NOW, THEREFORE, for what is mutually agreeable to be valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention(s) and the patent application identified above, and any patents that may issue for said invention(s) in the United States; together with the entire right, title and interest in and to said invention(s) and all patent applications and patents issuing therefrom in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; together with the right to recover all damages, including, but not limited to, a reasonable royalty, by reason of past, present, or future infringement or any other violation of patent or patent application rights; to have and to hold for the sole and exclusive use and benefit of the Assignee, their successors and assigns, to the full end of the term or terms for all such patents.

THE ASSIGNORS HEREBY COVENANT AND AGREE, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention(s) identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference, reissue, reexamination, opposition, or other such proceeding before the U.S Patent and Trademark Office which may arise involving said invention(s), or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment. The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this Assignment.



(First Assignor Signature) 30/7/19
(Date)

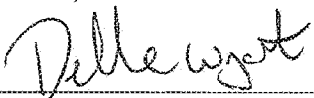
Xudong ZHAO

(First Assignor Name)

Witness to Signature of First Assignor

DEBORAH WYATT

(Witness Name)



(Witness Signature)

U.S. Application Serial No.: 16/342,144

Atty. Docket No.: 010155-19001A

Appl. Filing Date: April 15, 2019

Xu Peng

2019.4.12

(Second Assignor Signature)

(Date)

Peng XU

(Second Assignor Name)

Witness to Signature of Second Assignor

Yaxuan XIONG

(Witness Name)

Xiong Yaxuan

(Witness Signature)

(Third Assignor Signature)

(Date)

Xiaoli MA

(Third Assignor Name)

Witness to Signature of Third Assignor

(Witness Name)

(Witness Signature)

Atty. Docket No.: 010155-19001A

U.S. Application Serial No.: 16/342,144

Appl. Filing Date: April 15, 2019

(Second Assignor Signature)

(Date)

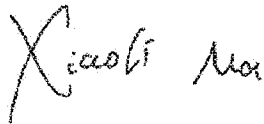
Peng XU

(Second Assignor Name)

Witness to Signature of **Second Assignor**

(Witness Name)

(Witness Signature)



(Third Assignor Signature)

(Date) 22/07/2019


Xiaoli MA

(Third Assignor Name)

Witness to Signature of **Third Assignor**

Zishang ZHU

(Witness Name)



(Witness Signature)

Atty. Docket No.: 010155-19001A

U.S. Application Serial No.: 16/342,144

Appl. Filing Date: April 15, 2019

K.S. Fancey 19 July 2019
(Fourth Assignor Signature) (Date)

Kevin FANCEY

(Fourth Assignor Name)

Witness to Signature of Fourth Assignor

DAVID WRIGHT
(Witness Name)

D Wright
(Witness Signature)

(Fifth Assignor Signature) (Date)

Junming LI

(Fifth Assignor Name)

Witness to Signature of Fifth Assignor

(Witness Name)

(Witness Signature)

Atty. Docket No.: 010155-19001A

U.S. Application Serial No.: 16/342,144

Appl. Filing Date: April 15, 2019

(Fourth Assignor Signature)

(Date)

Kevin FANCEY

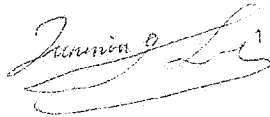
(Fourth Assignor Name)

Witness to Signature of Fourth Assignor

(Witness Name)

(Witness Signature)

(Fifth Assignor Signature)



(Date) 25/07/2019

(Fifth Assignor Name)

Junming LI

Witness to Signature of Fifth Assignor

(Witness Name)

Junhui Lu

(Witness Signature)

