

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4469789

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ERRONEOUS INDICATION OF KYOTO UNIVERSITY (KU) AS AN ASSIGNOR previously recorded on Reel 042675 Frame 0526. Assignor(s) hereby confirms the 5/19/17 DOC ONLY CONVEYED MITSUBISHI CO-OWNERSHIP RIGHTS TO HITACHI;KU'S RIGHTS STAY UNCHANGED;HITACHI & KU NOW CO-OWNERS.	
CONVEYING PARTY DATA		
Name		Execution Date
MITSUBISHI HEAVY INDUSTRIES, LTD.		05/19/2017
RECEIVING PARTY DATA		
Name:	HITACHI, LTD.	
Street Address:	6-6, MARUNOUCHI 1-CHOME, CHIYODA-KU	
City:	TOKYO	
State/Country:	JAPAN	
Postal Code:	100-8280	
PROPERTY NUMBERS Total: 3		
Property Type	Number	
Application Number:	14380825	
Application Number:	14767824	
Application Number:	14893648	
CORRESPONDENCE DATA		
Fax Number:	(919)999-2798	
<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>		
Phone:	9196364767	
Email:	kpotts@kdbfirm.com	
Correspondent Name:	KACVINSKY DAISAK BLUNI PLLC	
Address Line 1:	430 DAVIS DRIVE, SUITE 150	
Address Line 4:	MORRISVILLE, NORTH CAROLINA 27560	
ATTORNEY DOCKET NUMBER:	7225H11156;62;46	
NAME OF SUBMITTER:	KENLEY W. POTTS	
SIGNATURE:	/Kenley W. Potts/	
DATE SIGNED:	06/21/2017	
Total Attachments: 4		

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PATENT

REEL: 042922 FRAME: 0084

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Electronic Version v1.1

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	MERGER
EFFECTIVE DATE:	05/19/2017
CONVEYING PARTY DATA	
Name	Execution Date
MITSUBISHI HEAVY INDUSTRIES, LTD.	05/19/2017
KYOTO UNIVERSITY	05/19/2017
RECEIVING PARTY DATA	
Name:	HITACHI, LTD.
Street Address:	6-6, MARUNOUCHI 1-CHOME, CHIYODA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	100-8280
PROPERTY NUMBERS Total: 3	
Property Type	Number
Application Number:	14380825
Application Number:	14767824
Application Number:	14893648
CORRESPONDENCE DATA	
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Phone:	9196364767
Email:	kpotts@kdbfirm.com
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Correspondent Name:	KACVINSKY DAISAK BLUNI PLLC
Address Line 1:	430 DAVIS DRIVE, SUITE 150
Address Line 4:	MORRISVILLE, NORTH CAROLINA 27560
ATTORNEY DOCKET NUMBER:	7225H11156;11162;11146
NAME OF SUBMITTER:	KENLEY W. POTTS

PATENT

REEL: 042922 FRAME: 0085

Signature:	/Kenley W. Potts/
Date:	06/12/2017
Total Attachments: 2 source=Assignment_signed_MHI_JointWithKyotoUniv_to_HL#page1.tif source=Assignment_signed_MHI_JointWithKyotoUniv_to_HL#page2.tif	
RECEIPT INFORMATION EPAS ID: PAT4454887 Receipt Date: 06/12/2017	

PATENT

ASSIGNMENT

WHEREAS, MITSUBISHI HEAVY INDUSTRIES, LTD. of 16-5, Konan 2-chome, Minato-ku, Tokyo, JAPAN 108-8215 is a co-owner together with KYOTO UNIVERSITY of 36-1, Yoshida-Honmachi, Sakyo-ku, Kyoto-shi, Kyoto, JAPAN 606-8501, by assignment, of the following application(s) for Letters Patent of the United States of America and/or Letters Patent(s):

U.S. Serial No. 14/380825

U.S. Serial No. 14/767824

U.S. Serial No. 14/893648

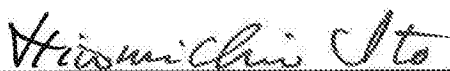
WHEREAS, HITACHI, LTD., a corporation organized under the laws of Japan, having its place of business at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan, is desirous of acquiring MITSUBISHI HEAVY INDUSTRIES, LTD.'s right, title and interest in, to and under the invention(s) now co-owned by MITSUBISHI HEAVY INDUSTRIES, LTD. and KYOTO UNIVERSITY as covered by the aforementioned application(s) for Letters Patent and/or Letters Patent(s).

NOW, THEREFORE, for good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, the said MITSUBISHI HEAVY INDUSTRIES, LTD. has sold, assigned, transferred and set over and does hereby sell, assign, transfer and set over to the said HITACHI, LTD., its entire right, title and interest in the said invention(s), and any reissue or reissues of said Letters Patent(s) which may be granted, any continuations and divisions thereof and any Letters Patent(s) issued or issuing thereon, the same to be held and enjoyed by said HITACHI, LTD. for its own use and enjoyment, and for the use and enjoyment of its successors, assigns, or other legal representatives, to the end of the term for

which said Letters Patents of the United States are granted or reissued as fully and entirely as the same would have been held and enjoyed by the said MITSUBISHI HEAVY INDUSTRIES, LTD., if this assignment and sale had not been made.

MITSUBISHI HEAVY INDUSTRIES, LTD.

Date: May 19, 2017


Hiromichi ITO
General Manager of Intellectual Property Dept.
(Authorized Signing Officer)