505363080 03/07/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5409870

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MITSUI E&S HOLDINGS CO., LTD.	03/05/2019

RECEIVING PARTY DATA

Name:	MITSUI E&S SHIPBUILDING CO., LTD.	
Street Address:	6-4, TSUKIJI 5-CHOME, CHUO-KU,	
City:	TOKYO	
State/Country:	JAPAN	
Postal Code:	104-8439	

PROPERTY NUMBERS Total: 3

Property Type	Number
Application Number:	14110628
Application Number:	13561270
Application Number:	14157038

CORRESPONDENCE DATA

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER:	G170045US00	
NAME OF SUBMITTER:	RYAN B. CHIRNOMAS	
SIGNATURE:	/Ryan B. Chirnomas/	
DATE SIGNED:	03/07/2019	

Total Attachments: 2 source=2#page1.tif source=2#page2.tif

PATENT 505363080 REEL: 048530 FRAME: 0970

Attorney Docket No. G170045US00

ASSIGNMENT

WHEREAS, Mitsui E&S Holdings Co., Ltd., a corporation duly organized under the laws of

Japan and having its principal place of business at 6-4, Tsukiji 5-chome, Chuo-ku, Tokyo, 104-8439,

Japan is the owner of the entire right, title and interest in and to the inventions described and claimed in

the U.S. Applications and U.S. Patents indicated in the attached list, by virtue of assignments recorded at

the U.S. Patent and Trademark Office:

WHEREAS, Mitsui E&S Holdings Co., Ltd., hereinafter referred to as ASSIGNOR, is desirous

of assigning its entire right, title and interest in and to said listed U.S. Applications and U.S. Patents;

WHEREAS, Mitsui E&S Shipbuilding Co., Ltd., a corporation duly organized under the laws

of Japan and having its principal place of business at 6-4, Tsukiji 5-chome, Chuo-ku, Tokyo, 104-8439,

Japan, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest as

held by ASSIGNOR in and to said listed U.S. Applications and U.S. Patents;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: be it known that for good and

valuable consideration, the adequacy and receipt of which is hereby acknowledged by ASSIGNOR,

hereby sells, assigns, and transfers to ASSIGNEE, its entire right, title, and interest in and to United

States Patent Applications and United States Patents specified in the attached list, and the inventions

therein, for the full term of the said United States Patent Application and any and all U.S. patents granted

therein and any reissue, extension, reexamination, continuation, or divisional thereof.

IN WITNESS WHEREOF, the undersigned ASSIGNOR has hereunto set hand and seal this

5th day of March , 2019.

Assignor:

Mitsui E&S Holdings Co., Ltd.

(Technical Co-ordination Department)

Signature of Representative:

Kin-ya Kamato

Name: Kin-ya Kamata

Title: General Manager

PATENT REEL: 048530 FRAME: 0971

Attorney Docket No. G170045US00

List of Affected U.S. Patent Applications and U.S. Patents

U.S. Application or Patent Number	Assignment Reel/Frame	Attorney Docket No.
14/110,628	047878/0234	P23748US00
13/561,270	047878/0234	P3738US00
14/157,038	047878/0234	P3470US00