PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5345040

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KOHSEI MATSUMOTO	12/04/2018
KANAKO ESAKI	12/04/2018
KIYOTO ITO	12/04/2018
HIROTO NAITO	12/04/2018
YUZO SHIRAKAWA	12/04/2018

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: 1

Property Type	Number
Application Number:	16258756

CORRESPONDENCE DATA

Fax Number: (703)684-1157

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: 703-684-1120

Email:svannarath@mmiplaw.comCorrespondent Name:MATTINGLY & MALUR, PCAddress Line 1:1800 DIAGONAL ROAD

Address Line 2: SUITE 210

Address Line 4: ALEXANDRIA, VIRGINIA 22314

NAME OF SUBMITTER: JOHN R. MATTINGLY SIGNATURE: /John R. Mattingly/ DATE SIGNED: 01/28/2019	ATTORNEY DOCKET NUMBER:	SEI-11927
	NAME OF SUBMITTER:	JOHN R. MATTINGLY
DATE SIGNED: 01/28/2010	SIGNATURE:	/John R. Mattingly/
01/28/2019	DATE SIGNED:	01/28/2019

Total Attachments: 4



(譲渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Hitachi, Ltd.
a corporation organized under the laws of Japan, located at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi, Ltd. its successor and assigns, all my right, title and interest, in and for the United States of America, in and to

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invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted,

to be held and enjoyed by said Hitachi, Ltd.

its successor, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi, Ltd.

Signed on the date(s) indicated aside our signatures:

INVENTOR(S) (発明者フルネームサイン) Date Signed (署名日)

1) Kohsei	Matsumoto	Kohsei MATSUMOTO	Dec. 4, 20(8.
2)		Kanako ESAKI	
3)		Kiyoto ITO	
4)		Hiroto NAITO	
5)		Yuzo SHIRAKAWA	

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1)_		Cohsei MATSUMOTO	<u> </u>
2)_	Kanako Ezaki	Kanako ESAKI	December 4,2018
3)_		Kiyoto ITO	
⁴⁾ _	·	Hiroto NAITO	
5)		Yuzo SHIRAKAWA	• <u> </u>

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2)_	Kanako ESAKI	
3)_	Egoto Oto Kiyoto ITO	Dec. 4, 2018
4)_	Hiroto NAITO	
5)_	Yuzo SHIRAKAWA	

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1)	Kohsei MATSUMOTO	
2)	Kanako ESAKI	
3)	Kiyoto ITO	
4)	内藤宽人 Hiroto NAITO	2018, 12.4
5)	台川 在生三 Yuzo SHIRAKAWA	2018.12.4

PATENT REEL: 048150 FRAME: 0047

RECORDED: 01/28/2019