#### 04/19/2018 504876252

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4922992

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
NOBUMITSU TAKAOKA	03/20/2018
AKIRA YAMAMOTO	03/20/2018
TOMOHIRO KAWAGUCHI	03/20/2018
YASUO WATANABE	03/20/2018
YOSHIHIRO YOSHII	03/20/2018
KAZUKI MATSUGAMI	03/20/2018

## **RECEIVING PARTY DATA**

Name:	HITACHI, LTD.	
Street Address:	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:	15769424

### **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.com MATTINGLY & MALUR, PC **Correspondent Name:** 1800 DIAGONAL ROAD Address Line 1:

Address Line 2: **SUITE 210** 

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	DAI-11544
NAME OF SUBMITTER:	JOHN R. MATTINGLY
SIGNATURE:	/John R. Mattingly/
DATE SIGNED:	04/19/2018

**PATENT** REEL: 045585 FRAME: 0095

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# Total Attachments: 3 source=11544-ASN#page1.tif source=11544-ASN#page2.tif source=11544-ASN#page3.tif

PATENT REEL: 045585 FRAME: 0096

### **ASSIGNMENT**

(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 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 successors and assigns, all my right, title and interest, in and for the United States of America, in and to

#### STORAGE DEVICE

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 successors, 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)	(署名日)
Notumitsu Takaoka	Nobumitsu TAKAOKA	3/20/20/8
	Akira YAMAMOTO	
	Tomohiro KAWAGUCHI	
Yusuu Watunabe	Yasuo WATANABE	3/20/2018
Yohihir Yohii	Yoshihiro YOSHII	3/20/2018
Kazuki Matsugami	Kazuki MATSUGAMI	3/20 /2018
·		
		·

PATENT REEL: 045585 FRAME: 0097

Date Signed

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INVENTOR(S)
(発明者フルネームサイン)

Date Signed (署名日)

1)	Nobumitsu TAKAOKA	
2)	alsura gamamoto Akira YAMAMOTO	3/20/2018
3)	Tomohiro KAWAGUCHI	
4)	Yasuo WATANABE	
5)	Yoshihiro YOSHII	
6)	Kazuki MATSUGAMI	
7)		·
8)		
9)		

PATENT REEL: 045585 FRAME: 0098

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	(発明者フルネームサイン)	(署名日)
1) _	Nobumitsu TAKAOKA	
2) _	Akira YAMAMOTO	
<del>3)</del> {	Tomohiro KAWAGUCHI	G/20/2018 .
4) _	Yasuo WATANABE	
5) _	Yoshihiro YOSHII	
6) _	Kazuki MATSUGAMI	
7) _		
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**PATENT** REEL: 045585 FRAME: 0099

**RECORDED: 04/19/2018**