PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5120813

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAKAO YOSHIKAWA	08/17/2018
YUSUKE NONAKA	08/20/2018
JIN CHOI	08/07/2018
MASAHIDE KAWARASAKI	08/28/2018

RECEIVING PARTY DATA

Name:	HITACHI, LTD.
Street Address:	6-6, MARUNOUCHI 1-CHOME
Internal Address:	CHIYODA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	100-8280

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16081254

CORRESPONDENCE DATA

Fax Number: (215)568-6499

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: 215-568-6400

Email: Igivigliano@vklaw.com

Correspondent Name: VOLPE AND KOENIG, P.C.

Address Line 1: UNITED PLAZA

Address Line 2: 30 SOUTH 17TH STREET, 18TH FLOOR Address Line 4: PHILADELPHIA, PENNSYLVANIA 19103

ATTORNEY DOCKET NUMBER:	HITACHI2-341600951US01
NAME OF SUBMITTER:	GERALD B. HALT, JR.
SIGNATURE:	/Gerald B. Halt, Jr./
DATE SIGNED:	08/31/2018

Total Attachments: 4

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(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 100-8280 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 SYSTEM AND STORAGE SYSTEM MANAGEMENT METHOD

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)	Date Signed (署名日)		
1)	Takao Yoshikawa Takao YOSHIKAWA	8/17/2018		
2)	Yusuke NONAKA			
3)	Jin CHOI			
4)	Masahide KAWARASAKI			
5)				
6)				
7)				
8)				

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	WVENTOMS) (発明者フルネームサイン		(編集)
1)		Takao YOSHIKAWA	
2)	Yusuke Nonaka	Yusuke NONAKA	8/20/2018
3)		Jin CHOI	
4)	Ma	sahide KAWARASAKI	
5)			
a)			
7)			
8)			

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	INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)	
1)	Takao YOSHIKAWA		
2)	Yusuke NONAKA		
3)	Jin Choi Jin CHOI	August 7, 2018	
4)	Masahide KAWARASAKI		
5)			
6)			
7)			
8)			

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	MVENION (発明者フルネー	(5) ムサイン)		Date Sigi (署名 f	ned i)
1)	: *	Takao YOS	SHIKAWA	198 8	
2)		Yusuke l	NONAKA		÷
3)		: :	Jin CHOI		
4)	Masahide Kawayasak	(Masahide KAW/	ARASAKI	8/28 / 20	·18
5)					
6)				93 - 9385 93 - 93 94 - 94	
7)				er K	
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PATENT REEL: 046767 FRAME: 0103

RECORDED: 08/31/2018