504876201 04/19/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4922941

SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY	ΔΑΤΑ				
		Name		Execution Date	
MASAHIRO TSURUYA	۱			03/28/2018	
RYO HANAFUSA				03/28/2018	
OSAMU KAWAGUCHI				03/30/2018	
RECEIVING PARTY D	ΑΤΑ				
Name:	HITAC	HITACHI, LTD.			
Street Address:	6-6, M	ARUNOUCHI 1-CHOME, CHIYOI	DA-KU,		
City:	TOKY	C			
State/Country:	JAPAN	JAPAN			
Postal Code:	100-82	280			
PROPERTY NUMBER Property Type		Number			
Application Number:	·	15769418			
CORRESPONDENCE	DATA				
Fax Number: (703		(703)684-1157			
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Phone:	provide	703-684-1120	be sent via o	o man.	
Email:		svannarath@mmiplaw.com			
		MATTINGLY & MALUR, PC	•		
Address Line 1: 1800		1800 DIAGONAL ROAD) DIAGONAL ROAD		
Address Line 2:		SUITE 210			
Address Line 2: Address Line 4:					
	IUMBER:	SUITE 210 ALEXANDRIA, VIRGINIA 22314			
Address Line 4:		SUITE 210 ALEXANDRIA, VIRGINIA 22314			
Address Line 4: ATTORNEY DOCKET N		SUITE 210 ALEXANDRIA, VIRGINIA 22314 WL-11552			
Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER		SUITE 210 ALEXANDRIA, VIRGINIA 22314 WL-11552 JOHN R. MATTINGLY			
Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER SIGNATURE:		SUITE 210 ALEXANDRIA, VIRGINIA 22314 WL-11552 JOHN R. MATTINGLY /John R. Mattingly/			
Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER SIGNATURE: DATE SIGNED:	:	SUITE 210 ALEXANDRIA, VIRGINIA 22314 WL-11552 JOHN R. MATTINGLY /John R. Mattingly/			
Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER SIGNATURE: DATE SIGNED: Total Attachments: 3	; ge1.tif ge2.tif	SUITE 210 ALEXANDRIA, VIRGINIA 22314 WL-11552 JOHN R. MATTINGLY /John R. Mattingly/			

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 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 DEVICE AND STORAGE DEVICE CONTROL 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) Date Signed (発明者フルネームサイン) (署名日) 1) Masahira TSURVYA March 28, 20/8 Masahiro TSURUYA Ryo HANAFUSA 2) Osamu KAWAGUCHI 3) _____ 4) 5) _____ 6) _____ 7) _____ 8) _____

PATENT REEL: 045584 FRAME: 0847 1.8

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	INVENTOR(S) (発明者フルネームサ	Date Signed (署名 日)		
1) _		Masahiro TSURUYA		
2) _	Ryo HANAFUSA	Ryo HANAFUSA	March 28, 2018	
3) _	·	Osamu KAWAGUCHI		
4) _				
5)_				
6) _				
7) _				
8) _				

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

	INVENTOR(S) (発明者フルネームサイン) Masahiro TSURUYA			Date Signed (署名日)		
1)						
2)						
3)	Osamu	KAWAGUCHI	Osamu KAWAGUCHI	March 30,2018		
4)						
5)						
6)						
7).						
8)						

RECORDED: 04/19/2018

PATENT REEL: 045584 FRAME: 0849