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3. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

	102474400	Attorney Docket No. 520.47875X00
To the Honorable Commissioner of Patents and Trace	103474403	inal documents or copy thereof.
Name of conveying party(ies): Kazuhiko TAKAHASHI Mitsuru SAEKI Kenichi HATTORI Masami SUKEDA Akihito NAKAHARA	Name and address of Name: Hitachi, Ltd	d.
Additional name(s) of conveying party(ies) attached?	Chi	, Marunouchi 1-chome iyoda-ku, Tokyo, Japan
3. Nature of conveyance/ Execution Date: August 20, 2007 August 23, 2007; August 20, 2007; August 21, 2007; August 7, 2007. Assignment	Additional name(s) & ad	idress(es) attached? □ Yes ☒ No
4. Application number(s) or patent number(s):	☐ This document is being	filed together with a new application.
A. Patent Application No.(s)	B. Patent Registration	No.(s)
11/843,698		
Additional number	er(s) attached Yes No	
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of appli	ications and patents involved 1
Name: ANTONELLI, TERRY, STOUT & KRAUS, LL	□ Authorized to be	41) \$40.00 charged by credit card
Internal Address: 1300 NORTH 17 TH STREET – SUITE 1800	⊠ Enclosed	charged to deposit account government interest not affecting title)
	8. Payment Information	n:
City: ARLINGTON State: VA Zip 22209	a. Credit Card Last 4 Expira	numbers: ition date:
Phone Number: (703) 312-6600 Facsimile Number: (703) 312-6666 Email Address: email@antonelli.com	b. Deposit account nun	nber: 01-2135
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 Statement and signature. To the best of my knowledge and belief, the foregoing is a true copy of the original document. 	ing information is true and con वासकीरिक	801 AF GENTA
Melvin Kraus, Reg#22,466	Celo lun	January 7, 2008 Date
Name of Person Signing	Sigñatu / e ′	·

Total number of pages including cover sheet, attachments, and document: Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: 11/5/2007 6:33:54 PM

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NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

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Mitsuro SAEKI Should be: Mitsuru SAEKi	08/23/2007
Kenichi HATTORI	08/20/2007
Masami SUKEDA	08/21/2007
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City:	Tokyo
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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	11843698	

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11/05/2007 MON 19:29 [TX/RX NO 7670] 図004

REEL: 020351 FRAME: 0910

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 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 successors 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 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 signatures:

RECORDED: 01/07/2008

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
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3) Kenichi HATTORI Kenich Battori	8/20/2007
4) Masami SUKEDA Masamu Sukeda	8/21/2007
5) Akihito NAKAHARA Akihito Makahara	8/7/2007
6)	
7)	
8)	
9)	
10)	

PATENT REEL: 020351 FRAME: 0911