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Form PTO-1595 (Rev. 07/05) DMB No. 0651-0027 (exp. 6/30/2008)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office			
(United States Patent and Trademark Office			
1. Name of conveying party(ies)	75497 H-5387 2. Name and address of receiving party(ies)			
Daisuke ITO Kazutomo USHIJIMA	Name: <u>Hitachi, Ltd.</u>			
Akira SHIMIZU	Internal Address: vic			
	[−] ∞ ≛			
Additional name(s) of conveying party(ies) attached Yes Mo				
3. Nature of conveyance/Execution Date(s): Execution Date(s) May 31, 2006	Street Address: 6-6. Marunouchi 1-chome			
■ Assignment	City: Chiyoda-ku			
Security Agreement Change of Name	State: Tokyo			
Joint Research Agreement	Country: Japan Zip: 100-8280			
Government Interest Assignment	_			
Executive Order 0424, Confirmatory License	Additional Name(s) & Addresses attached? Yes No			
Other				
4. Application or patent number(s): A. Patent Application No.(s) Not yet assigned	document is being filed together with a new application. B. Patent No.(s)			
Not yet assigned				
Additional numbers	attached? ☐ Yes ■ No			
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1			
Name: <u>Mattingly, Stanger, Malur & Brundidge, P.C.</u>	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00			
Internal Address:	■Authorized to be charged by credit card			
Street Address: 1800 Diagonal Road, Suite 370	■Authorized to be charged to deposit account			
	Enclosed			
City:_Alexandria	None required (government interest not affecting title)			
State: <u>VA</u> Zip: <u>22314</u>	8. Payment Information			
Phone Number:	a. Credit Card Last 4 Numbers 1006 Expiration Date 08/2009			
Fax Number:703-684-1157	b. Deposit Account Number 50-1417			
Email Address:	Authorized User Name <u>John R. Mattingly</u>			
9. Signature: John R. Mattingly Name of Person Signing	July 11, 2006 Date Total number of pages including cover Sheet, attachments, and documents: 2			
	t) should be faxed to (571) 273-0140, or mailed to:			

Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

07/12/2006 MBIZUNES 00000023 11483548 05 FC:8021

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 our signatures:

RECORDED: 07/11/2006

	INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1)	Daisoh Lto	5/31/20ch
2)	Hazutono Ushijima	5/31/2006
3)	Okiru Shiniyu	5/31/2006
4)	·	
5)		
6)		
7)		
8)		
9)		
10)		

PATENT REEL: 018093 FRAME: 0857