form PTO-1595 (Rev. 07/05) MB No. 0651-0027 (exp. 6/30/2008) RECO	ed States Patent and Trademark C
	NUM-53
1. Name of conveying party(ies)	103259081 ceiving party(ies)
Yuri HIRAIWA	Name: Hitachi, Ltd.
Masaaki HOSOUCHI Katsuhisa MIYATA Nobuhiro MAKI	Internal Address:
Additional name(s) of conveying party(ies) attached Yes No. 3. Nature of conveyance/Execution Date(s): Execution Date(s) May 22,22,23,22, 2002	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 Other	Additional Name(s) & Addresses attached? Yes Mo
A. Patent Application No.(s) Not yet assigned Additional numbers	B. Patent No.(s) s 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
nternal Address:	■Authorized to be charged by credit card
Street Address: 1800 Diagonal Road, Suite 370	Authorized to be charged to deposit account
Silver Address. 1000 Diagonal Adad, Suite 370	
Street Address	Enclosed
	Enclosed
City: <u>Alexandria</u>	Enclosed
City:_ <u>Alexandria</u> State:_ <u>VA</u> Zip: <u>22314</u>	Enclosed None required (government interest not affecting title 8. Payment Information a. Credit Card Last 4 Numbers
City:_ <u>Alexandria</u> State: <u>VA</u> Zip: <u>22314</u> Phone Number: <u>703-684-1120</u>	Enclosed None required (government interest not affecting title 8. Payment Information
City:_ <u>Alexandria</u> State: <u>VA</u>	Enclosed None required (government interest not affecting title 8. Payment Information a. Credit Card Last 4 Numbers 1009 Expiration Date 08/2009
City: _Alexandria City: _Alexan	Enclosed None required (government interest not affecting title 8. Payment Information a. Credit Card Last 4 Numbers 1009 Expiration Date 08/2009 b. Deposit Account Number 50-1417 Authorized User Name Shrinath Malur
City: <u>Alexandria</u> State: <u>VA</u> Zip: <u>22314</u> Phone Number: <u>703-684-1120</u> Fax Number: <u>703-684-1157</u> Email Address:	Enclosed None required (government interest not affecting title 8. Payment Information a. Credit Card Last 4 Numbers 1009 Expiration Date 08/2009 b. Deposit Account Number 50-1417 Authorized User Name Shrinath Malur June 12, 2006
City: Alexandria State: VA Zip: 22314 Phone Number: 703-684-1120 Fax Number: 703-684-1157 Email Address: Signature Shrinath Matur	Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers 1009 Expiration Date 08/2009 b. Deposit Account Number 50-1417 Authorized User Name Shrinath Malur

06/13/2006 EAYALEW1 00000014 11450363 04 FC:6021 40.4

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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

COMPUTER SYSTEM AND STORAGE SYSTEM AND VOLUME ASSIGNMENT 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	イン) (署名日)
1) Yuni Hiraiwa	May 22, 2006
2) Masashi Hosou	chi May 22, 2006
3) Katsuhisa Mi	•
4) Nobuhiro Mak	ki May 22, 2006
5)	
6)	
7)	
8)	
9)	
10)	

PATENT REEL: 017992 FRAME: 0423

Date Signed

RECORDED: 06/12/2006