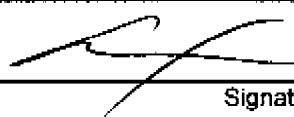


Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)

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**RECORDATION FORM COVER SHEET
PATENTS ONLY**

HTA-112

1. Name of conveying party(ies) KANO, YOSHIKI		2. Name and address of receiving party(ies) Name: HITACHI, LTD.	
Additional name(s) of conveying party(ies) attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Internal Address: _____	
3. Nature of conveyance/Execution Date(s): Execution Date(s) May 19, 2006		Street Address: 6-6, Marunouchi 1-chome, Chiyoda-ku	
<input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger		City: _____	
<input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name		State: _____	
<input type="checkbox"/> Joint Research Agreement		Country: Tokyo, JAPAN Zip: _____	
<input type="checkbox"/> Government Interest Assignment		Additional Name(s) & Addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<input type="checkbox"/> Executive Order 0424, Confirmatory License			
<input type="checkbox"/> Other _____			
4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application.			
A. Patent Application No.(s) 11/405,536, filed April 18, 2006		B. Patent No.(s)	
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address to whom correspondence concerning document should be mailed:		6. Total number of applications and patents involved: <u>1</u>	
Name: MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.		7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00	
Internal Address: _____		<input checked="" type="checkbox"/> Authorized to be charged by credit card	
Street Address: 1800 Diagonal Road - Suite 370		<input checked="" type="checkbox"/> Authorized to be charged to deposit account	
City: Alexandria		<input checked="" type="checkbox"/> Enclosed	
State: Virginia Zip: 22314		<input type="checkbox"/> None required (government interest not affecting title)	
Phone Number: 703) 684-1120		8. Payment Information	
Fax Number: 703) 684-1157		a. Credit Card Last 4 Numbers 1001	
Email Address: cbrundidge@msmbpatentlaw.com		Expiration Date 08/09	
		b. Deposit Account Number 50-1417	
		Authorized User Name Carl I. Brundidge	
9. Signature: 		June 6, 2006	
Signature		Date	
Carl I. Brundidge, Reg. No. 29,621		Total number of pages including cover	
Name of Person Signing		Sheet, attachments, and documents: 4	

Documents to be recorded (including cover sheet) 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

OP \$40.00 11405536

ASSIGNMENT

ATTY. DOCKET NO.:
HTA-112

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement relating to

METHOD AND APPARATUS OF WAFS BACKUP MANAGED IN CENTRALIZED CENTER

For which an application for Letters Patent to be filed in the United States Patent and Trademark Office was executed on even date.

For which U.S. Application Serial No. 11/405,536 for Letters Patent was filed in the U.S. Patent and Trademark Office on
 April 18, 2006

for which an International Application was filed as _____, designating the United States.
on _____

AND WHEREAS **HITACH, LTD.**
6-6, Marunouchi 1-chome, Chiyoda-ku
Tokyo, JAPAN

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations and extensions thereof.


NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patents thereon.

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.

The undersigned hereby grant(s) the law firm of Mattingly, Stanger, Malur & Brundidge, P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR.

201	FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR-S SIGNATURE	DATE
	Yoshiki KANO		5/19/05
202	FULL NAME OF SECOND JOINT INVENTOR	INVENTOR-S SIGNATURE	DATE
203	FULL NAME OF THIRD JOINT INVENTOR	INVENTOR-S SIGNATURE	DATE
204	FULL NAME OF FOURTH JOINT INVENTOR	INVENTOR-S SIGNATURE	DATE
205	FULL NAME OF FIFTH JOINT INVENTOR	INVENTOR-S SIGNATURE	DATE
206	FULL NAME OF SIXTH JOINT INVENTOR	INVENTOR-S SIGNATURE	DATE
207	FULL NAME OF TWELFTH JOINT INVENTOR	INVENTOR-S SIGNATURE	DATE

PATENT

RECORDED: 06/06/2006

REEL: 017742 FRAME: 0293