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B/O FORM PTO 1595 (1/31/92)

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(1) Naoto MATSUNAMI (2) Tetsuya SHIROGANE (3) Akira NISHIMOTO (4) Kenta SHIGA and (5) Naoko IWAMI	Name: Hitachi, Ltd. Address: 6-6, Marunouchi 1-chome City: Chiyoda-ku, Tokyo Japan
Additional names of conveying parties attached: L. Yes Ø No 3. Nature of Conveyance:	4
☐ Assignment ☐ Metgcr ☐ Security Agreement ☐ Change of Name ☐ Other:	
Execution Dates: (1)(3)(4)(5) December 26, 2005 and (2) January 11, 2006	}
4. (a) Potent Application Number(s): 11/331,115	4. (b) Patent Numbers:
If this document is being filed together with a new application, the execution date of the application is: Additional Numbers Attached.	
5. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed:	6. Total Number of Applications and Patents Involved: 1
Name: Juan Carlos A. Marquez	7. Total Fee; (37 C.F.R. § 3,41)
Address: Reed Smith LLP 3110 Fairview Park Dr. Suite 1400 Falls Church, Va. 22042	\$40.00 was paid on January 13, 2006 Authorized to be charged to deposit account.
	8. Deposit Account Number: 08-1480
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9. Statement and Signature:	
To the best of my knowledge and belief, the foregoing is tru original document.	e and correct and any attached copy is a true copy of the
La Cart	February 11, 2009
Juan Carlos A. Marquez, Registration No. 34,072	
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ASSIGNMENT (膜 波 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 assignse;

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) (発明者プルネームサイン)	Dete Signed (署名目)		
1) Nawto Matsungar	12/26/2005		
2) Tetsuya Phirogane	1/11/2006		
3) ahria historialis	12/26/2005		
4) Kinta Shigh	12/26/2005		
5) Touter Awari	12/26/2005		
6)			
7)			
8)			
9)			
10)			

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recorded. postcard it was file	ent re: Serial # 1 ing of the Applica Please have this date-stamped Jan ed.	1/331,115 (MEIS.0001). This Assetion on January 13, 2006, along was Assignment recorded (see attachmary 13, 2006, which has a check this matter is greatly appreciated	nent). We have also includ	ed a copy of the
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