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To the Director	of the U.S. Patent and Trademark Office: Please	record the attached of	documents or the new address(es) bel	ow.
1. Name of con	veying party(les)/Execution Date(s):	2. Name and a	ddress of receiving party(ies)	<u>7</u> 4
Toshio	HORI	Name: Hitachi,	Ltd.	ာင္လ ၁၉
Execution Date(s	s) 05/30/06 of conveying party(ies) attached?  Yes  No	Street Address:	6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo Japan	113264 U.S. 11/4532
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4. Application r	number(s) or patent number(s): 🔀 This d	ocument is being	filed together with a new application	on.
A. Patent Appl	lication No.(s)	B. Patent Regi	stration No.(s)	
	Additional number(s) atta		or of applications and patents ित्र	
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Name: Crowell Street Address:	& Moring LLP Intellectual Property Group PO Box 14300 Washington, DC 20044-4300	Authorized to Authorized to Enclosed	CFR 1.21(h) & 3.41) \$40.00 be charged by credit card be charged to deposit account ad (government interest not affecting to	itle)
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9. Signature:	Son Vina		June 15, 2006	
<i> </i>	Signature		Date	
<i></i>	James F. McKeown, Reg. No. 25,406		Total number of pages including cover	
	Name of Person Signing		sheet, attachments, and documents: 2	
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**PATENT** 

**REEL: 017977 FRAME: 0972** 

## **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:

	INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) _	Joshio Hari Toshio HORI	05/30/06
2) _		
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5)		
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9)		
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RECORDED: 06/15/2006