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12/016	Docket No.	501.33319X00

**HEET** 

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

To the Honorable Commissioner of Paten 100810	ached original documents or copy thereof.				
1. Name of conveying party(ies): Yoshiaki SATO Hideki KIHARA Mitsura KATAMOTO Katsuyoshi KUDO Hironobu KAWAHARA Tooru YUKIMASA Minoru SORAOKA Hirofumi KAKUTANI Tsuyoshi UMEMOTO Additional name(s) of conveying party(ies) attached? Yes No	Name and address of receiving party(ies):     Name: Hitachi, Ltd.  Internal Address:				
3. Nature of conveyance: MRD 9-3-98  X Assignment	Street Address: 6, Kanda Surugadai 4-chome, Chiyoda-ku City: Tokyo Country: Japan Zip:  Additional name(s) & address(es) attached?  Yes No				
4. Application number(s) or patent number(s):					
If this document is being filed together with a new application, the execution date of the application is:					
A. Patent Application No.(s)	B. Patent No.(s)				
Serial No.: 08/340,337 Filed: November 14, 1994					
Additional numbers attac	hed? Yes X No				
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:				
Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP	7. Total fee (37 CFR 3.41)\$40.00				
Internal Address:	<ul> <li>Enclosed</li> <li>Any deficiencies may be charged to deposit account</li> <li>Authorized to be charged to deposit account</li> </ul>				
Street Address: 1300 North Seventeenth Street Suite 1800	8. Deposit account number: 01-2135				
City: Arlington, State: VA Zip: 22209	(Attach duplicate copy of this page if paying by deposit account)				
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9. Statement and signature.	formation is true and correct and any attached copy is a true				
William I. Solomon  Name of Person Signing  Signature	August 21, 1998  Date				
Attorney Registration No. 28,565	Total number of pages including cover sheet, attachments, and document: 2				
OMB No. 0651-0011 (exp. 4/94)	PATENT				

## **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, Kanda Surugadai 4-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

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)	Witnesses (立会人サイン)	
1)	Sakal : 500 1	Novembor. 2.1994	Jujikatul,	Idane ho
	M. Katamoto	November 2.1994		
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4)	m. Soraoka	November 2, 1994	Figikatsa.	Hamilia
5)	J. Unemoto	november 2.1994	Fujikatja	, Hans ka
6)	H. Kihara	Hovember, 2,1994	Fujikatya	, Hemike
7)	K. Kudo	November. 2. 1994	Fujikatsa	, Home ho
8)	T. YokimsA	Nevember 2 1994,	Fujikatin	, Kanika
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PATENT REEL: 9412 FRAME: 0617

RECORDED: 09/03/1998