1-16-02		
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.		
1. Name of conveying party(ies): Keigiro SAKAI, Toshiaki OKUYAMA, Kinya NAKATSU, Seiji ISHIDA, Hiroshi FUJII, Junji KATO, Masahiro HIRAGA	Name and address of receiving party(ies): Name: Hitachi, Ltd. Street Address: 6, Kanda Surugadai 4-chome, Chiyoda-ku	
Additional name(s) of conveying party(ies) attached? Tyes X No		
3. Nature of conveyance: Assignment Merger	City: Tokyo:	
Security Agreement Change of Name Other	Country: Japan	
Execution Date: February 26,27, 2001; Mar. 1, 2001	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) U.S. Serial No. 09/826,857 filed April 6, 2001	B. Patent No.(s)	
Additional numbers atta	iched? Yes No	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1	
Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP	7. Total fee (37 CFR 3.41)\$40.00	
Internal Address:	Enclosed Any deficiencies may be charged to deposit account Authorized to be charged to deposit account	
Street Address: 1300 North Seventeenth Street	8. Deposit account number: 01-2135	
Suite 1800 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. To the best of my knowledge and belief, the foregoing information of the original document. Melvin Kraus Name of Person Signing Attorney Registration No. 22,466 Total number of pages including cover sheet, attachments, and document: 5	January 16, 2002 Date	

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PATENT REEL: 012329 FRAME: 0976

·		Docket No.:503.39957X00	
FORM PTO-1595 REC(04 - 20	-2001	CET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Offi	
To the Honorable Commissioner of Patents a 10167	7150	1 original documents or copy thereof.	
1. Name of conveying party(ies): Keijiro SAKAI, Toshiaki OKUYAMA, Kinya NAKATSU, Seiji ISHIDA, Hiroshi FUJII, Junji KATO, Masahiro HIRAGA	Name: Hitachi,	ess of receiving party(ies): Ltd. 6, Kanda Surugadai 4-chome, Chiyoda-ku	
Additional name(s) of conveying party(ies) attached? Yes No 3. Nature of conveyance: Assignment Merger Security Agreement Change of Name Other Execution Date: Feb. 26,27, 2001, Mar. 1, 2001	City: Tokyo Country: Japa Additional name(s)	1046 U 09/80	
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: Feb. 26,27, 2001, Mar. 1, 2001			
A. Patent Application No.(s)	B. Patent		
Additional numbers atta	 ched? □ Yes ☑ No	09826857	
5. Name and address of party to whom correspondence concerning document should be mailed:		applications and patents involved: 1	
Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP	7. Total fee (37 CI	FR 3.41)\$40.00	
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City: Arlington State: VA Zip: 22209	(Attach duplicate co	opy of this page if paying by deposit account)	
DO NOT USE THIS SPACE			
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Melvin Kraus Name of Person Signing Attorney Registration No. 22,466 Total number of pages including cover sheet, attachments, and document: 2 OMB No. 0651 0011 (exp. 4/94)			

PATENT REEL: 012329 FRAME: 0977

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 or us citizen(s) 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

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invented by me or us 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:

RECORDED: 01/16/2002

INIVENITOR(C)

(発明者フルネームサイン)	(署名日)
1) Keigiro SAKAI Keijiro Sakai	02/26/2001
2) Toshiaki OKUYAMA Toshiaki Okuyama	03/01/2001
3) Kinya NAKATSU Kinya Nakatsu	02/26/200/
4) Seiji ISHIDA Seiji Ishicki	02/26/200/
5) Hiroshi FUJII Hroshi Fujii	02/27/2001
6) Junji KATO Junji Kato	02/27/2001
7) Masahiro HIRAGA masahiro Kiraga	02/27/2001
8)	
9)	
10)	

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Data Signad