

04-05-2002



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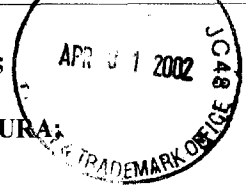
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4.1.02

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
**Kazuo TAKEDA; Masakazu SAITO;
Yukio TAKASAKI; Hironobu ABE;
Makoto OHKURA; Yoshinobu KIMURA;
Takeo SHIBA**

Additional names(s) of conveying party(ies) Yes No



2. Name and address of receiving party(ies):
Name: Hitachi, Ltd.
Address: 6, Kanda Surugadai 4-chome
Chiyoda-ku

City: Tokyo State/Prov.: _____
Country: Japan ZIP: _____

Additional name(s) & address(es) Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: 01/29, 30, 30, 30, 30/02 & 2/13 & 7/02

4. Application number(s) or patent numbers(s):
If this document is being filed together with a new application, the execution date of the application is: _____

Patent Application No.	Filing date	B. Patent No.(s)
<u>10/059,203</u>	<u>January 31, 2002</u>	

04/03/2002 BARBARA01 00000049 10059203
01 FC:581 40.00 DP

Additional numbers Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Mitchell W. Shapiro
Registration No. 31,568
Address: Miles & Stockbridge P.C.
1751 Pinnacle Drive
Suite 500
City: McLean State/Prov.: VA
Country: US ZIP: 22102-3833

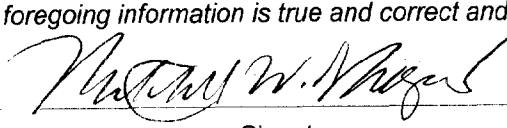
6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41):.....\$ 40.00
 Enclosed - Any excess or insufficiency should be credited or debited to deposit account
 Authorized to be charged to deposit account

8. Deposit account number:
50-1165
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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.

Mitchell W. Shapiro  April 1, 2002
Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and **2**

Wang
H

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

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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, 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 our signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) <u>Kazuo Takeda</u>	<u>Jan. 29, 2002</u>
2) <u>Masaharu Saito</u>	<u>Jan 30, 2002</u>
3) <u>Yukio Takasaka</u>	<u>Jan 30, 2002</u>
4) <u>Hironobu Ape</u>	<u>30/ January / 2002</u>
5) <u>Makoto Ohkura</u>	<u>Jan. 30, 2002</u>
6) <u>Yoshimasa Tamura</u>	<u>Feb. 13, 2002</u>
7) <u>Takeshi Shiba</u>	<u>Feb. 07, 2002</u>
8) _____	_____
9) _____	_____
10) _____	_____