

03-14-2002



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102015440

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

1. Name of conveying party(ies):

Seisuke HIROSAWA
Masaki SHIRAI
Takeshi SUZUKI
Katsumi OUCHI

02/26/02

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

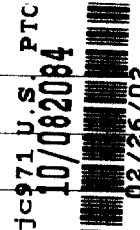
City: Chiyoda-ku

State/Prov.: Tokyo

Country: JAPAN

ZIP:

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



3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: February 12, 2002

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: February 12, 2002

Patent Application No.

Filing date

B. Patent No.(s)

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 Dr., Suite 500

03/04/2002 CNBUYEN 00000180 10002084

02 FC:581

40.00 DP

City: McLean

State/Prov.: VA

Country: U.S.

ZIP: 22102-3833

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

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Mitchell W. Shapiro

February 26, 2002

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3

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ASSIGNMENT

(譲渡証)

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to the below named inventor(s), citizens of Japan by HITACHI, LTD., and Hitachi ULSI Systems Co., Ltd., corporations organized under the laws of Japan,

located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, and 22-1, Josuihoncho 5-chome, Kodaira-shi Tokyo, Japan, respectively,

receipt of which is hereby acknowledged, we, the below named inventor(s), do hereby sell and assign to said HITACHI, LTD., and Hitachi ULSI Systems Co., Ltd.,

their successors and assigns, all our right, title and interest, in and for the United States of America, in and to NONVOLATILE MEMORY SYSTEM

invented by 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., and Hitachi ULSI Systems Co., Ltd.,

their 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 us if this assignment and sale had not been made;

And we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said 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 we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI, LTD., and Hitachi ULSI Systems Co., 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>Seisuke Hirose</u>	<u>2/12/2002</u>
2)	<u>Masaki Shirai</u>	<u>12/12/2002</u>
3)	<u>Takeshi Suzuki</u>	<u>2/12/2002</u>
4)	<u>Katsumi Ouchi</u>	<u>2/12/2002</u>
5)	_____	_____
6)	_____	_____
7)	_____	_____
8)	_____	_____
9)	_____	_____
10)	_____	_____