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Akihiko SATOH
Masahito TAKAHASHI
Takayuki YOSHITAKE

10/10/01

2. Name and address of receiving party(ies):

Name: Hitachi, Ltd.

Address: 6, Kanda Surugadai 4-chome

Chiyoda-ku

U.S. PTO
09/973022
10/10/01

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

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Execution Date: 8/27, 28 & 9/4/2001

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

4. Application number(s) or patent numbers(s):

09973022

If this document is being filed together with a new application, the execution date of the application is: 8/27, 28 & 9/4/2001

Patent Application No. Filing date

B. Patent No.(s)

10/11/2001 HDEMESS1 00000025 09973022

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

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6. Total number of applications and patents involved:

1

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

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ASSIGNMENT
(讓 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. 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 I do hereby sell and assign to said HITACHI, LTD. and Hitachi ULSI Systems Co., Ltd., their successors and assigns, all my right, title and interest, in and for the United States of America, in and to **AN NONVOLATILE SEMICONDUCTOR MEMORY DEVICE AND A METHOD OF MANUFACTURING THE SAME**

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. 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 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. and Hitachi ULSI Systems Co., 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) <u>Akihiko Satoh</u> (AKIHICO SATOH)	<u>27 / August / 2001</u>
2) <u>Masahito Takahashi</u> (MASAHITO TAKAHASHI)	<u>4 / September / 2001</u>
3) <u>Takayuki Yoshitake</u> (TAKAYUKI YOSHITAKE)	<u>28 / August / 2001</u>
4) _____	_____
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