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To the Honorable Commissioner of

ached original documents or copy thereof.

1. Name of conveying party(ies):  
Teruo KISU Haruko KISU  
(successor in right to Teruaki KISU)  
Kazuo NAKAZATO  
Masahito TAKAHASHI

2. Name and address of receiving party(ies)  
Name: **HITACHI LTD.**  
Internal  
Address: 6, Kanda Surugadai 4-chome  
Street Address: Chiyoda-ku,  
City: Tokyo State: Japan Zip: \_\_\_\_\_  
☒ Other  
Hitachi ULSI Systems Co., Ltd.  
22-1, Josuihoncho 5-chome  
Kodaira-shi, Tokyo, Japan

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:  
☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: 12-17/28-01 & 1-4-02

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)  
Serial No. 10/026,769  
Filed: December 27, 2001

B. Patent Registration No.(s)

Additional number(s) attached ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **Antonelli, Terry, Stout & Kraus, LLP**

Internal Address:  
  
**1300 North Seventeenth Street  
Suite 1800  
Arlington, VA 22209  
USA**

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

6. Total number of applications and patents involved

7. Total fee (37 CFR 3.41)..... **\$40.00**  
☒ Enclosed  
☐ Authorized to be charged to deposit account

8. Deposit account number:  
  
**01-2135**  
  
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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.*

**William I. Solomon**

**04/05/2002**

Name of Person Signing

Signature

Date

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02 P1:001

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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 Teruaki KISU, Kazuo NAGASATO and Masahito TAKAHASHI, 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 said Teruaki KISU, Kazuo NAGASATO and Masahito TAKAHASHI

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

**METHOD OF MANUFACTURING SEMICONDUCTOR MEMORY DEVICE AND**

**SEMICONDUCTOR MEMORY DEVICE**

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 signatures:

INVENTOR(S)

(発明者フルネームサイン)

Date Signed

(署名日)

1) 木 須 昭 夫  
(Teruaki KISU, deceased by Teruo KISU, Legal Representative)

December 28, 2001

2) 木 須 治 子  
(Teruaki KISU, deceased by Haruko KISU, Legal Representative)

December 28, 2001

3) \_\_\_\_\_  
(Kazuo NAKAZATO)

4) \_\_\_\_\_  
(Masahito TAKAHASHI)

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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 signatures:

INVENTOR(S)

(発明者フルネームサイン)

Date Signed

(署名日)

1) \_\_\_\_\_  
(Teruaki KISU, deceased by Teruo KISU, Legal Representative)

2) \_\_\_\_\_  
(Teruaki KISU, deceased by Haruko KISU, Legal Representative)

3) Kazuo Nakazato  
(Kazuo NAKAZATO)

4) Masahito Takahashi  
(Masahito TAKAHASHI)

\_\_\_\_\_

\_\_\_\_\_

4/January/2002

17/December/2001