

10/588788

IAP11 Rec'd PCT/PTO 09 AUG 2006

Form PTO-1595 (Rev. 07/05)  
OMB No. 0651-0027 (exp. 6/30/2008)

08-17-2006

U.S. DEPARTMENT OF COMMERCE  
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Docket No. XA-10628

RECOR

To the Director of the U.S. Patent and T



103292422

or the new address(es) below.

## 1. Name of conveying party(ies)/Execution Date(s):

MURANAKA, Masaya

Execution Date(s): July 31, 2006

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

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

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

Name: Hitachi ULSI Systems Co., Ltd.

Address: 22-1 Josuihoncho-5-chome

Kodaira-shi

City: Tokyo

State: \_\_\_\_\_

Country: Japan Zip: \_\_\_\_\_

Additional name(s) & address(es) attached? ☐ Yes ☒ No

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

A. Patent Application No.(s)

PCT/JP2004/001486 filed 12 February 2004

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Mitchell W. Shapiro

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

## 7. Total fee (37 CFR 1.21(h) &amp; 3.41) \$40.00

- ☐ Authorized to be charged to deposit account  
☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

## 8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_

Expiration Date \_\_\_\_\_

b. Deposit Account Number 50-1165

Authorized User Name Mitchell W. Shapiro

## 9. Signature:

Mitchell W. Shapiro

Name of Person Signing

Date August 9, 2006

Total Number of pages including cover sheet, attachments, and documents: 2

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
 Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

PATENT

REEL: 018178 FRAME: 0581

# 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 ULSI Systems Co., Ltd., a corporation organized under the laws of Japan, located at 22-1, Josuihoncho-5-chome, Kodaira-shi, Tokyo, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi ULSI Systems Co., Ltd., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

RANDOM NUMBER GENERATING METHOD AND SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE

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 ULSI Systems Co., 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 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>Masaya MURANAKA</u><br>Masaya MURANAKA | <u>7/31/2006</u> |
| 2)  | _____                                     | _____            |
| 3)  | _____                                     | _____            |
| 4)  | _____                                     | _____            |
| 5)  | _____                                     | _____            |
| 6)  | _____                                     | _____            |
| 7)  | _____                                     | _____            |
| 8)  | _____                                     | _____            |
| 9)  | _____                                     | _____            |
| 10) | _____                                     | _____            |

PATENT

RECORDED: 08/09/2006

REEL: 018178 FRAME: 0582