

3/18/05

03-30-2005



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PATENTS ONLY

FORM PTO-1595
(Rev. 10/02)

RE

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Docket No.: 067161-0251

To the Honorable Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereto:

1. Name of Conveying Party(ies):
Takashi KUBO, Takashi ITOH, Yasuhiro KASHIWAZAKI,
Taku OGURA, Kiyohiro FURUTANI

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

Address: 4-1, Marunouchi 2-chome,
Chiyoda-ku
Tokyo 100-6334 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: March 2, 2005

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

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

If the document is being filed together with a new application, the execution date of the application is: March 2, 2005

A. Patent Application No(s).

B. Patent No(s).

Additional numbers attached? Yes No

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

Name: MCDERMOTT WILL & EMERY LLP
Internal Address:

Street Address: 600 13th Street, N.W.

City: Washington State: D. C. Zip: 20005-3096

6. Total number of applications and patents involved: 1

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

Enclosed
 Authorized to be charged to deposit account

8. Deposit account number:
500417

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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.

Stephen A. Becker, 26,527

March 18, 2005

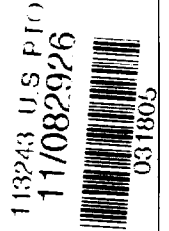
Name and Registration No. of Person Signing

Signature

Date

Total number of pages including cover sheet: 3

OMB No. 0651-0027 (exp. 6/30/2005)



03/29/2005 ECOOPER 00000197.500417 11002926

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(40.00 DA)

PATENT
REEL: 016414 FRAME: 0431

Attorney Docket No.:

ASSIGNMENT

WHEREAS, Takashi KUBO, Takashi ITOH,
Yasuhiro KASHIWAZAKI, Taku OGURA, and
Kiyohiro FURUTANI
hereinafter called the "Assignors," have jointly invented a new and useful invention
entitled Semiconductor Memory Device Enhancing Reliability
in Data Reading
_____ , for which he has:

- (a) filed an application for United States Letters Patent on _____ as (Serial No. _____); or
- (b) executed an application for United States Letters Patent on March 2, 2005 _____; or
- (c) filed a provisional application on _____ as (Serial No. _____); and

WHEREAS, Renesas Technology Corp., a corporation organized and existing under the laws of Japan, having a place of business at: 4-1, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-6334 JAPAN, hereinafter called the "Assignee," is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, and in, to and under any Letters Patent which may be obtained to said invention, as hereinafter more fully set forth;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient considerations, the receipt of which by said Assignors from the said Assignee is hereby acknowledged, the said Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, the entire, right, title and interest for the United States in and to the invention and application hereinabove identified, and any Letters Patent of the United States that may issue for said invention, together with the entire right, title and interest in and to said invention and applications for Letters Patent and Letters Patent therefor, in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; to have and to hold for the sole and exclusive use and benefit of the said Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said inventions may issue.

And the said Assignors do hereby covenant and agree, for himself and his legal representatives, that he will assist the said Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that the said Assignee may elect to make covering the invention herein identified, as hereinabove set forth; in vesting in the said Assignee like exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patent herein contemplated; and that they will execute and deliver to the said Assignee any and all additional papers which may be requested by the said Assignee to fully carry out the terms of this Assignment.

The undersigned hereby grant(s) the attorneys of McDermott, Will & Emery LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

And the Commissioner of Patents and Trademarks is hereby authorized and requested to issue Letters Patent to the said Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the said Assignors have hereunto set his hands and affixed his seal.

Date: March 2, 2005
(Seal)

Takashi Kubo
Takashi KUBO

Date: March 2, 2005
(Seal)

Takashi Itoh
Takashi ITOH

Date: March 2, 2005
(Seal)

Yasuhiro Kashiwazaki
Yasuhiro KASHIWAZAKI

Date: March 2, 2005
(Seal)

Taku Ogura
Taku OGURA

Date: March 2, 2005
(Seal)

Kiyohiro Furutani
Kiyohiro FURUTANI