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To the Honorable Commissioner of Patents

102570419

ached original documents or copy thereof.

1. Name of conveying party(ies):

Hitachi, Ltd.

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

Name: Renesas Technology Corporation

Internal Address:

9-26-03

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

3. Nature of conveyance:

- Assignment, Merger, Security Agreement, Change of Name, Other

Street Address: 4-1, Marunouchi 2-Chome Chiyoda-ku, Tokyo, Japan

City: State: ZIP:

Execution Date: Sept. 12, 2003

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)

10/388,639 10/412,230

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Antonelli, Terry, Stout & Kraus

Internal Address:

Street Address: 1300 N. Seventeenth St. Suite 1800

City: Arlington State: VA ZIP: 22209

6. Total number of applications and patents involved: 2

7. Total fee (37 CFR 3.41) \$ 80.00

- 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.

Melvin Kraus

Signature

9-26-03

Name of Person Signing Reg. No. 22,466

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

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(Form PTO-1595--Recordation Form Cover Sheet - page 1 of 3)

ASSIGNMENT

WHEREAS, Hitachi, Ltd., Elpida Memory, Inc. and Hitachi ULSI Systems Co., Ltd. are joint owners, by assignment, of the following applications for Letters Patent of the United States of America:

Listed In Attachment AN17


WHEREAS, Renesas Technology Corporation, a corporation organized under the laws of Japan, having its place of business at 4-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan and is desirous of acquiring the right, title and interest in, to and under the said applications for Letters Patents, and the inventions covered thereby, as now owned by Hitachi, Ltd., and thereby become a joint owner with Elpida Memory, Inc. and Hitachi ULSI Systems Co., Ltd..

NOW, THEREFORE, for good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, the said Hitachi, Ltd. has sold, assigned, transferred and set over and does hereby sell, assign, transfer and set over to the said Renesas Technology Corporation, its entire right, title and interest in the said inventions, said applications for Letters Patents and any Letters Patents which may be granted thereon, and any reissue or reissues of said Letters Patents which may be granted, the same to be held and enjoyed by said Renesas Technology Corporation for its own use and enjoyment, and for the use and enjoyment of its successors, assigns, or other legal representatives, to the end of the term for which said Letters Patents of the United States are granted or reissued as fully and entirely as the same would have been held and enjoyed by the said Hitachi, Ltd., if this assignment and sale had not been made.

Hitachi, Ltd.

September 12, 2003

Date:



By: Yasuo SAKUTA, Patent Attorney

Title: Executive Officer,
Intellectual Property Group
(Authorized Signing Officer)

No.	US SERIAL NUMBER	US FILING DATE
1,	10/388639	2003.03.17
2,	10/412230	2003.04.14