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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):
 Hitachi, Ltd. and Hitachi Hokkai Semiconductor, Ltd.
 Execution Date(s) October 13, 2004
 Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
 Name: Renesas Technology Corp.
 Internal Address: _____
 Street Address: 4-1, Marunouch 2-Chome,
Chiyoda-ku, Tokyo, JAPAN
 City: _____
 State: _____
 Country: _____ Zip: _____
 Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
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 Other _____


4. Application or patent number(s): This document is being filed together with a new application.
 A. Patent Application No.(s)
10/664,798 10/653,894
 B. Patent No.(s)
 Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:
 Name: John R. Mattingly, Esq.
 Internal Address: _____
 Street Address: _____
1800 Diagonal Road, Suite 370
 City: Alexandria,
 State: Virginia Zip: 22314
 Phone Number: 703 684-1120
 Fax Number: 703 684 1157
 Email Address: _____

6. Total number of applications and patents involved:

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 80.00
 Authorized to be charged by credit card
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 Enclosed
 None required (government interest not affecting title)

8. Payment Information
 a. Credit Card Last 4 Numbers 1006
 Expiration Date August 2005
 b. Deposit Account Number 50-1417
 Authorized User Name John R. Mattingly

9. Signature:  11/30/04
 Signature Date
 John R. Mattingly Total number of pages including cover sheet, attachments, and documents:
 Name of Person Signing

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OP \$80.00 10664798

ASSIGNMENT

WHEREAS, Hitachi, Ltd. and Hitachi Hokkai Semiconductor, Ltd. are joint owners, by assignment, of the following applications for Letters Patent of the United States of America:


<u>No.</u>	<u>Serial No.</u>	<u>Filing Date</u>
1.	10/664,978	September 22, 2003
2.	10/653,894	September 4, 2003

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

NOW, THEREFORE, for good and valuable consideration, the sufficiency and receipt of which is hereby acknowledge, 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 Corp., the 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 Corp. for their own use and enjoyment, and for the use and enjoyment of their successors, assigns, or other legal representatives, to the end of the term for which said Letters Patent is 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.

10/13/2004
Date:


By: Yasuo SAKUTA, Patent Attorney
Title: Executive Officer
Intellectual Property Group
(Authorized Signing Officer)