

01-16-2004

B/O FORM PTO 1595 (1/31/92)  
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102652993

ASAM.0091

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

## 1. Name of Conveying Party(ies):

**HITACHI, LTD., HITACHI CABLE, LTD., AND  
RENESAS NORTHERN JAPAN  
SEMICONDUCTOR, INC.**

Additional names of conveying parties attached: ☐ Yes ☒ No

## Nature of Conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other:

Execution Date: **December 29, 2003**

## 2. Name and Address of Receiving Party(ies):

Name: **Renesas Technology Corporation**  
Address: 4-1, Marunouchi 2-chome  
City: Chiyodu-ku, Tokyo  
Japan

Name: **Hitachi Cable, Ltd.**  
Address: 6-1, Otemachi 1-chome  
City: Chiyodu-ku, Tokyo 100-8166  
Japan

Name: **Renesas Northern Japan Semiconductor, Inc.**  
Address: 1007-39, Izumisawa,  
City: Chitose-shi, Hokkaido  
Japan

## 4. (a) Patent Application Number(s):

**10/470,075**

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

## 4. (b) Patent Numbers:

## 5. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed:

Name: **Stanley P. Fisher**  
  
Address: **Reed Smith LLP**  
3110 Fairview Park Dr.  
Suite 1400  
Falls Church, VA. 22042

## 6. Total Number of Applications and Patents Involved: 1

7. Total Fee: **\$40.00**  
(37 C.F.R. § 3.41)

- ☒ Enclosed.  
☒ Authorized to be charged to deposit account.

8. Deposit Account Number: **08-1480**

ATTACH DUPLICATE COPY OF THIS PAGE IF PAYING BY DEPOSIT ACCOUNT

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## 9. Statement and Signature:

*To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.*

Stanley P. Fisher, Registration No. 24, 344

**January 13, 2004**  
Juan Carlos A. Marquez, Registration No. 34,072

Total number of pages comprising cover sheet: 1

01/15/2004 ECOOPER 00000199 081480 10470075

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**PATENT**  
**REEL: 014882 FRAME: 0393**

## ASSIGNMENT

WHEREAS, Hitachi, Ltd., Hitachi Cable, Ltd. and Renesas Northern Japan Semiconductor, Inc. are joint owners, by assignment, of the following applications for Letters Patent of the United States of America:

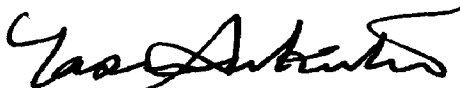
Listed In Attachment HZ14

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 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 Hitachi Cable, Ltd. and Renesas Northern Japan Semiconductor, Inc..

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 Corp., 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 Corp. 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.

*Dec. 29. 2003*  
Date:

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

Attachment HZ14

No.	US SERIAL NUMBER	US FILING DATE
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1.	10/470075	2003.07.25
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