

FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

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Tab settings

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.

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

Name: Renesas Technology Corp.

Internal Address: _____

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

City: _____ State: _____ ZIP: _____

Additional name(s) & address(es) attached? ☐ Yes ☒ NoAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution Date: December 20, 2004

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)

07/419,399

B. Patent No.(s)

5,265,055; 5,617,365; 5,815,448;
5,966,336; 6,104,647; 6,337,817Additional 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 1800City: Arlington State: VA ZIP: 222096. Total number of applications and patents involved: 77. Total fee (37 CFR 3.41) \$ 280.00☒ Enclosed☒ Authorized to be charged to deposit account (Excess Fees)

8. Deposit account number:

01-2135

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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

Name of Person Signing

Signature

12-30-04

Date

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PATENT
REEL: 015509 FRAME: 0462

OP \$280.00 07419399

2542-01 et al.

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ASSIGNMENT

WHEREAS, Hitachi, Ltd. is the exclusive owner, by assignment, of the following applications for Letters Patent of the United States of America and/or Letters Patent:

Listed In Attachment A


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 inventions which are at least covered by the applications and/or Letters Patent as listed in Attachment A, as now owned by Hitachi, 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 Corp., the entire right, title and interest of said Hitachi, Ltd. in the said inventions, including applications for Letters Patent and/or Letters Patent for which benefit under 35 U.S.C. §120 has been claimed in said applications and/or Letters Patents as listed in Attachment A, and where said applications and/or Letters Patent as listed in Attachment A include a Terminal Disclaimer with respect to commonly-assigned applications and/or Letters Patent, the entire right, title and interest of said Hitachi, Ltd. with respect to said commonly-assigned applications and/or Letters Patent to provide for common ownership thereof, and any reissue or reissues of said Letters Patents which may be granted, any continuations and divisions thereof and any Letters Patent issued or issuing thereon, 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.

Date: 12/20, 2004


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

ATTACHMENT A

US Application Serial No. 07/419,399, filed October 10, 1989;

US Patent 5,265,055, Issued November 23, 1993;

US Patent 5,617,365, Issued April 1, 1997;

US Patent 5,815,448, Issued September 29, 1998;

US Patent 5,966,336, Issued October 12, 1999;

US Patent 6,104,647, Issued August 15, 2000; and

US Patent 6,337,817, Issued January 8, 2002.