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DEPARTMENT OF COMMERCE  
Patent and Trademark Office



RECO

Docket No. XA-10657

103380109

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

CO-1-03

1. Name of conveying party(ies)/Execution Date(s):

KAWAMOTO, Takashi  
TAKAHASHI, Tomowaki  
KIKUCHI, Shinya  
ISHIDA, Yoshimi  
NISHIO, Hiromitsu

2. Name and address of receiving party(ies)

Name: Renesas Technology Corp.

Address: 4-1, Marunouchi 2-chome

Chiyoda-ku

Execution Date(s): 10/13, 16, 16, 16 + 16/2006

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☐ Government Interest Assignment
- ☐ Executive Order 9424, Confirmatory License
- ☐ Other \_\_\_\_\_

City: Tokyo

State: \_\_\_\_\_

Country: Japan

Zip: \_\_\_\_\_

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

4. Application or patent number(s):

A. Patent Application No.(s)

11/548,991 filed October 12, 2006

☐ This document is being filed together with a new application.  
B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Mitchell W. Shapiro

Registration No.: 31,568

Address: Miles & Stockbridge P.C.

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Suite 500

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State: Virginia Zip: 22102

Phone Number: 703-610-8652

Fax Number: 703/610-8686

Email Address: mwshapiro@milesstockbridge.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

- ☐ Authorized to be charged to deposit account
- ☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_

Expiration Date \_\_\_\_\_

b. Deposit Account Number 50-1165

Authorized User Name Mitchell W. Shapiro

9. Signature:

Mitchell W. Shapiro

Name of Person Signing

Date 2/26/2007

Total Number of pages including cover sheet, attachment, and documents: 2

CERTIFICATE OF MAILING

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:

Mail Stop Assignment/Registration/Trademark Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

2/26/2007

Date

Signature

PATENT

REEL: 019001 FRAME: 0489

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**ASSIGNMENT**  
( 譲 渡 証 )

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Renesas Technology Corp., a corporation organized under the laws of Japan, located at 4-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said Renesas Technology Corp., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

**TRANSMITTING/RECEIVING DEVICE AND COMMUNICATION SYSTEM USING THE SAME**

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said Renesas Technology Corp., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Renesas Technology Corp.

Signed on the date(s) indicated aside signatures:

INVENTOR(S)  
(発明者フルネームサイン)

T.K. 10/24/2006 Date Signed  
(署名日)  
10/13/2006  
~~13/10/2006~~

1) Takashi KAWAMOTO Takashi Kawamoto

2) Tomoaki TAKAHASHI Tomoaki Takahashi

3) Shinya KIKUCHI Shinya Kikuchi

4) Yoshimi ISHIDA Yoshimi Ishida

5) Hiromitsu NISHIO Hiromitsu Nishio H.N. 10/24/2006  
~~Afshar Hiromitsu~~

6) \_\_\_\_\_

7) \_\_\_\_\_

8) \_\_\_\_\_

9) \_\_\_\_\_

10) \_\_\_\_\_

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**PATENT**

**RECORDED: 03/01/2007**

**REEL: 019001 FRAME: 0490**