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**Mamoru WAKABAYASHI**

Additional names(s) of conveying party(ies) ☐ Yes ☒ No

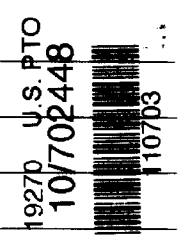
2. Name and address of receiving party(ies):

Name: **Renesas Technology Corp.**

Address: **4-1, Marunouchi 2-chome**  
**Chiyoda-ku**

City: **Tokyo** State/Prov.:  
Country: **Japan** ZIP:

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3. Nature of conveyance:

☒ Assignment ☐ Merger  
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☐ Other

Execution Date: **August 28, 2003**

4. Application number(s) or patent numbers(s): **10/702448**

If this document is being filed together with a new application, the execution date of the application is: **August 28, 2003**

Patent Application No. Filing date B. Patent No.(s)

**( 11/10/2003 HMARZ11 00000025 10702448 04 FC:8021 40.00 OP )**

Additional numbers ☐ Yes ☒ No

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

Name: **Miles & Stockbridge P.C.**

Registration No. **31,568**

Address: **Miles & Stockbridge P.C.**  
**1751 Pinnacle Drive**  
**Suite 500**

City: **McLean** State/Prov.: **VA**

Country: **United States** ZIP: **22102**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41):.....\$ **40.00**

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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.*

**Mitchell W. Shapiro** **November 7, 2003**

Name of Person Signing Signature Date

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Conveying Party(ies)

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Name (line 1)	Name (line 2)	Execution Date		
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Name (line 2)				
Address (line 1)	1007-39, Izumisawa			<input type="checkbox"/> If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)
Address (line 2)	Chitose-shi			
Address (line 3)	Hokkaido	Japan		
	City	State/Country	Zip Code	
Name (line 1)	Hitachi Device Engineering Co., Ltd.			<input type="checkbox"/> If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)
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Address (line 3)	Chiba	Japan		
	City	State/Country	Zip Code	

Application Number(s) or Patent Number(s)

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Patent Application Number(s)

Patent Number(s)


# 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., Renesas Northern Japan Semiconductor, Inc., and Hitachi Device Engineering Co., Ltd., corporations organized under the laws of Japan, located at 4-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan, 1007-39, Izumisawa, Chitose-shi, Hokkaido, Japan, and 3681, Hayano, Mobara-shi, Chiba, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said Renesas Technology Corp., Renesas Northern Japan Semiconductor, Inc., and Hitachi Device Engineering Co., Ltd., their successors and assigns, all my right, title and interest, in and for the United States of America, in and to

## SEMICONDUCTOR DATA PROCESSING DEVICE AND DATA PROCESSING SYSTEM

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., Renesas Northern Japan Semiconductor, Inc., and Hitachi Device Engineering Co., Ltd., their 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., Renesas Northern Japan Semiconductor, Inc., and Hitachi Device Engineering Co., Ltd.,

Signed on the date(s) indicated aside our signatures:

INVENTOR(S)  
(発明者フルネームサイン)

Date Signed  
(署名日)

1) Toru ICHIEN Toru ICHIEN

28/August/2003

2) Wataru YAMAGUCHI Wataru YAMAGUCHI

28/August/2003

3) Masae SASAKAWA Masae SASAKAWA

28/August/2003

4) Mamoru WAKABAYASHI Mamoru WAKABAYASHI

28/August/2003

5) \_\_\_\_\_

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

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

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

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

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

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