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

**1. Name of conveying party(ies):**  
Hiroshi TSUCHI  
U.S. PTO  
13/064354  
03/21/2011  
Additional names(s) of conveying party(ies)  Yes  No

**2. Name and address of receiving party(ies):**  
Name: RENESAS ELECTRONICS CORPORATION  
Address: 1753 Shimonumabe, Nakahara-ku,  
  
  
City: Kawasaki,  
State/Prov.: Kanagawa,  
Country: Japan ZIP: 211-8668  
Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**  
Execution Date(s): March 7, 2011  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other

**4. Application or patent numbers(s):**  
A. Patent Application No. (s)  
  
Additional numbers attached?  Yes  No

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

**5. Name and address to whom correspondence concerning document should be mailed:**  
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**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 by credit card  
 Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)  
**8. Payment Information**  
a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_  
b. Deposit Account Number 50-0481  
Authorized User Name Sean M. McGinn, Esq.

**9. Signature:**  
Sean M. McGinn  
Signature  
March 21, 2011  
Date  
Sean M. McGinn, Esq.  
Name of Person Signing  
Total number of pages including cover sheet, attachments, and document

Documents to be recorded (including cover sheet) should be faxed to (571)273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

# ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS

NAME AND ADDRESS  
OF ASSIGNOR

Hiroshi TSUCHI of Kanagawa, Japan

(HEREINAFTER REFERRED TO AS ASSIGNOR), have invented  
and own a certain new and useful invention entitled:

TITLE OF INVENTION:

DIGITAL ANALOG CONVERTER CIRCUIT, DIGITAL DRIVER AND DISPLAY DEVICE

WHEREAS

FULL NAME AND ADDRESS  
OF ASSIGNEE

Renesas Electronics Corporation  
of 1753 Shimonumabe, Nakahara-ku, Kawasaki,  
Kanagawa 211-8668, Japan

(hereinafter referred to as ASSIGNEE), is desirous of  
acquiring the entire right, title, and interest in, to and  
under said invention and the United States Letters  
Patent to be obtained therefor:

*NOW THEREFORE, TO ALL WHOM IT MAY CONCERN:* Be  
it known that in consideration of the payment of  
ASSIGNEE to ASSIGNOR of the sum of One Dollar  
(\$1.00), the receipt of which is hereby acknowledged, and  
for other good and valuable consideration, ASSIGNOR,  
by these presents, hereby sells, assigns and transfers to  
ASSIGNEE the entire and exclusive right, title and  
interest to said invention and all Letters Patent of the  
United States to be obtained therefor on said application  
or any continuation, division, renewal, substitute or  
reissue thereof for the full term or terms for which the  
same may be granted.

ASSIGNOR hereby authorizes and requests the  
Commissioner of Patents and Trademarks to issue said  
Letters Patent of the  
United States Patent obtained therefor on said application or any  
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**PATENT**  
**REEL: 026040 FRAME: 0108**

continuation, division, renewal, substitute or reissue thereof for the full term or terms to said ASSIGNEE, of the entire right, title, and interest in and to the same, for his sole use and behoof, and for the use and behoof of his legal representatives, to the full end of the term or terms for which said Letters Patent obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for may be granted, as full and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

DATE OF SIGNING

IN WITNESS WHEREOF, I/We have hereunto set  
hand and seal this 7<sup>th</sup> day of March, 2011.

SIGNATURE

By Hiroshi Tsuchi  
Hiroshi TSUCHI

(Assignment of Application for Patent -- page 2 of 2)