

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2752981

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KAZUYUKI NAKAGAWA	02/28/2014
RECEIVING PARTY DATA	
Name:	RENESAS ELECTRONICS CORPORATION
Street Address:	1753, SHIMONUMABE, NAKAHARA-KU,
City:	KAWASAKI-SHI, KANAGAWA
State/Country:	JAPAN
Postal Code:	211-8668
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14196736
CORRESPONDENCE DATA	
Fax Number:	(404)888-7490
Phone:	703.394.2216
Email:	cblackburn@wcsr.com
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>	
Correspondent Name:	WOMBLE CARLYLE SANDRIDGE & RICE, LLP
Address Line 1:	ATTN: IP DOCKETING
Address Line 2:	P.O. BOX 7037
Address Line 4:	ATLANTA, GEORGIA 30357-0037
ATTORNEY DOCKET NUMBER:	R150 1470US.1
NAME OF SUBMITTER:	NANDA K. ALAPATI
Signature:	/nanda k alapati/
Date:	03/05/2014
Total Attachments: 2 source=R150_1470US_1_Assignment_R112283US01#page1.tif source=R150_1470US_1_Assignment_R112283US01#page2.tif	

ASSIGNMENT

WHEREAS, as a below named inventor, I, ASSIGNOR, am the original, first and sole (if only one inventor is named) or joint (if more than one inventor is named) inventor, of the invention entitled:

WIRING SUBSTRATE FOR A SEMICONDUCTOR DEVICE HAVING DIFFERENTIAL SIGNAL PATHS

which is:

- ☒ is attached hereto;
- ☒ is identified as WCSR Docket No. R150 1470US.1;
- ☐ was filed on _____ as United States Application Serial No. _____;
- ☐ was filed on _____ as PCT International Application No. _____ and designated the United States.

WHEREAS, Renesas Electronics Corporation, having a business address at 1753, Shimonumabe, Nakahara-ku, Kawasaki-shi, Kanagawa, Japan 211-8668, ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said invention and said application:

NOW, THEREFORE, in consideration of good and valuable consideration, I, ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the ASSIGNEE, its successors, legal representatives and assigns, for the territory of the United States of America, and not elsewhere, the entire right, title and interest in, to and under said United States application and said invention as fully set forth and described therein, and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues, reexamination certificates and extensions thereof; together with the right to file said application in the United States and the right to claim for the same the priority rights derived from any earlier filed application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property or any other international agreement, as may be applicable;

AND I, ASSIGNOR, HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States to issue said application to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I, ASSIGNOR, HEREBY covenant and agree that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

WCSR 31560432v1

AND I, ASSIGNOR, HEREBY further covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and applications and reexamination papers, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in the United States.

IN WITNESS WHEREOF, the undersigned inventor has affixed his signature.

1. Kazuyuki Nakagawa February 28, 2014
Name: Kazuyuki NAKAGAWA Date
Residence Address: Kanagawa, Japan
Post Office Address: c/o Renesas Electronics Corporation, 1753, Shimonumabe, Nakahara-ku,
Kawasaki-shi, Kanagawa, Japan 211-8668
Citizenship: Japanese

Takevni Kato February 28, 2014
Witness Date

Witness Date