503751775 03/24/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RENESAS SEMICONDUCTOR MANUFACTURING CO., LTD.	03/14/2016

RECEIVING PARTY DATA

Name:	RENESAS ELECTRONICS CORPORATION	
Street Address:	2-24, TOYOSU 3-CHOME, KOUTOU-KU	
City:	TOKYO	
State/Country:	JAPAN	
Postal Code:	135-0061	

PROPERTY NUMBERS Total: 3

Property Type	Number
Application Number:	08708559
Application Number:	09119045
Application Number:	09417086

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	T&A-GENERAL/Z-2016-2
NAME OF SUBMITTER:	JOHN R. MATTINGLY
SIGNATURE:	/John R. Mattingly/
DATE SIGNED:	03/23/2016

Total Attachments: 2

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PATENT REEL: 038090 FRAME: 0466 503751775

ASSIGNMENT

WHEREAS, Renesas Semiconductor Manufacturing Co., Ltd. (hereinafter referred to as ASSIGNOR), is a joint owner, by assignment, of the following United States Letters Patent(s) of the United States of America:

- U.S. Patent No. 5,666,008, issue date September 9, 1997
- U.S. Patent No. 5,994,227, issue date November 30, 1999
- U.S. Patent No. 6,461,977, issue date October 8, 2002

WHEREAS, Renesas Electronics Corporation (hereinafter referred to as ASSIGNEE), a corporation organized under the laws of Japan, having its place of business at 2-24, Toyosu 3-chome, Koutou-ku, Tokyo 135-0061, Japan, is desirous of acquiring ASSIGNOR's entire right, title and interest, in, to and under said Letters Patent(s), and any and all renewals, reissues, reexaminations and extensions thereof.

NOW, THEREFORE, for good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, said ASSIGNOR has sold, assigned, transferred and set over and does hereby sell, assign, transfer and set over to the said ASSIGNEE, its entire right, title and interest, in, to and under said Letters Patent(s) and all renewals, reissues, reexaminations and extensions thereof, including any and all priority and or convention rights accruing or to accrue with respect to the filling or securing of patents in the United States, including the right to sue for past infringement, the same to be held and enjoyed by said ASSIGNEE 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 Patent(s) of the United States are granted including any and all renewals, reissues, reexaminations and extensions thereof, as fully and entirely, as the same would

PATENT REEL: 038090 FRAME: 0467 Assignment

Renesas Semiconductor Manufacturing Co., Ltd. to Renesas Electronics Corporation have been held and enjoyed by the said ASSIGNOR, if this assignment and sale had

not been made.

WHEREBY, ASSIGNOR hereby grants the law firm of MATTINGLY & MALUR, PC., the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Renesas Semiconductor Manufacturing Co., Ltd.

14. Mar. 2016

Date

RECORDED: 03/24/2016

By: Yoshiyuki MIYAMOTO

Representative Director,

President