

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Hitachi ULSI Systems Co., Ltd.	12/26/2011
RECEIVING PARTY DATA	
Name:	Renesas Electronics Corporation
Street Address:	1753 Shimonumabe, Nakahara-ku
City:	Kawasaki-shi, Kanagawa
State/Country:	JAPAN
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13352142
CORRESPONDENCE DATA	
Fax Number:	(703)739-9577
Phone:	7037394900
Email:	sgoode@stites.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	Juan Carlos A. Marquez
Address Line 1:	1199 N. Fairfax Street
Address Line 2:	Suite 900
Address Line 4:	Alexandria, VIRGINIA 22314
ATTORNEY DOCKET NUMBER:	ASAM-0342
NAME OF SUBMITTER:	Juan Carlos A. Marquez
Total Attachments: 1 source=ASAM-342assignment#4#page1.tif	

OP \$40.00 13352142

ASSIGNMENT

WHEREAS, Hitachi ULSI Systems Co., Ltd., whose post office address appears below, hereinafter referred to ASSIGNOR, is the owner of certain new and useful improvements in the inventions listed in the attached table of pending U.S. applications and issued U.S. patents (hereinafter referred to as THE INVENTIONS);

WHEREAS, Renesas Electronics Corporation, whose post office address is 1753 Shimonumabe, Nakahara-ku, Kawasaki-shi, Kanagawa, Japan (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, we, ASSIGNORS, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention and application throughout the United States of America, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the entire right, title and interest in and to said invention throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNORS under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention.

ALSO, ASSIGNORS here by agree to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNORS also agree, without further consideration and at ASSIGNEE'S expense, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and information concerning the invention that are within ASSIGNORS' possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNORS in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNORS' obligations under this instrument shall extend to ASSIGNORS' heirs, executors, administrators and other legal representatives.

ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE'S sole use and behalf; and for the use and behoof of ASSIGNEE'S legal representatives and successors, to the full end of the term for which such Letters patent may be granted, as fully and entirely as the same would have been held by ASSIGNORS had this assignment and sale not been made.

Hitachi ULSI Systems Co., Ltd.
3-1-1 Higashikogakubo
Kokubunji-shi, Tokyo, Japan
(formerly at 22-1, Josuichoncho-5-chome
Kodaira-shi, Tokyo, Japan)


Name: Shiro Baba
Title: President & CEO

Date: Dec 26, 2011