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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Yukimasa MIYAZAKI	06/18/2009
Kouichi NAGAI	06/18/2009
Hideaki KIKUCHI	06/22/2009

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13557552

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Total Attachments: 1

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PATENT REEL: 028676 FRAME: 0650 OP \$40 00 1355755

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dellar (\$1,00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by (Insert Name(s) & Address(es) of ASSIGNEE(S)) FUITSU MICROELECTRONICS LIMITED 7-1, Nishi-Shinjuku 2-chome, Shinjuku-ku, Tokyo 163-0722 Japan (hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entified SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF relating to International Patent Application PCT/IP___/_ _and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was: (a) executed on ____ (Insert date of execution of application, if not concurrent) (b) filed on Assignee's attorney is hereby authorized to insert in (b) the specified Serial No. data, when known. and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)"). The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do at! sots which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing swom testimony, and obtaining and producing evidence. IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s). Kozichi NAGAI (Type Name) Hideaki KIKUCHI (Signature) (Type Name) (Type Name) (Date) (Type Name) (Date)

> PATENT REEL: 028676 FRAME: 0651

RECORDED: 07/30/2012