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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Kazunari NAKATA	10/17/2012
Yoshiaki TERASAKI	10/17/2012

RECEIVING PARTY DATA

Name:	MITSUBISHI ELECTRIC CORPORATION	
Street Address:	7-3, Marunouchi 2-chome, Chiyoda-ku	
City:	Tokyo	
State/Country:	JAPAN	
Postal Code:	100-8310	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13708358

CORRESPONDENCE DATA

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NAME OF SUBMITTER: Tim L. Brackett, Jr.

Total Attachments: 1 source=ASN#page1.tif

OP \$40.00

PATENT REEL: 029428 FRAME: 0353

ASSIGNMENT OF APPLICATI	ON FOR UNITED STATES LETTERS PATENT
WHEREAS Kazunari NAKATA and You assignor, has invented a certain improvement a Method of Manufacturing Semiconductor Device	
the inventor(s) declaration for said application to be filed in the Ur	cation being executed concurrently with the execution of this nited States Patent and Trademark Office;
being nereby given to the practitioners assi	ed States Patent and Trademark Office on,, authorization ociated with <u>STUDEBAKER & BRACKETT PC's CUSTOMER</u> s (Application Serial No) the application serial number of
said application having been filed under the Serial No, the United States of America	Patent Cooperation Treaty on, as being designated.
100-8310 JAPAN, hereinafter referred to as ti interest in and to said application, including an	Corporation of 7-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO he assignee, is desirous of acquiring the entire right, title and y and all divisions and continuations thereof, and in and to said e granted therefor, including any and all renewals, reissues and
paid by said assignee to said assignor, the reassigns, sells and transfers to said assignee, and right, title and interest in and to said application, and to said invention and any and all patents or reissues and prolongations thereof; said assign exercise and enjoy the said application, includi invention and any and all patents which may be prolongations thereof, with all the rights, por appertaining thereto, for and during the term or and all renewals, reissues and prolongations	One Dollar (\$1.00), and other good and valuable consideration accipt of which is hereby acknowledged, said assignor hereby as aid assignee's successors and assigns, the full and exclusive, including any and all divisions and continuations thereof, and in which may be granted therefor, including any and all renewals, nee, and said assignee's successors and assigns, to have, hold, ng any and all divisions and continuations thereof, and the said a granted therefor, including any and all renewals, reissues and wers, privileges and advantages in anywise arising from or terms of any and all such patents when granted, including any thereof, for the use and benefit of said assignee, and said le and beneficial a manner as the said assignor might or could ment had not been made.
AND said assignor hereby agrees to p successors or assigns, any and all acts relating and all renewals, reissues and prolongations th	perform, upon the request of said assignee, or said assignee's to the obtaining or to the asserting of said patents, including any ereof.
AND said assignor authorizes and rec Letters Patent on said application, and on any a said assignee's successors and assigns, in acc	quests the Commissioner of Patents and Trademarks to issue and all divisions and continuations thereof, to said assignee, and cordance herewith.
The undersigned hereby grant(s) the la on this Assignment any further identification where the U.S. Patent and Trademark Office for	aw firm of STUDEBAKER & BRACKETT PC the power to insert nich may be necessary or desirable in order to comply with the for recordation of this document.
This Assignment has been executed name(s).	by the undersigned on the date(s) opposite the undersigned
Date: October 17, 2012	Signature: Kazunari NAKATA Name: Kazunari NAKATA
Date:	Signature: Joshiaki Ferasaki Name: Yoshiaki TERASAKI
Date:	Signature: Name:
Date:	Signature: PATENT

PATENT Name: **RECORDED: 12/07/2012** REEL: 029428 FRAME: 0354