

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Akihiko FURUKAWA	12/18/2012
Yasuhiro KAGAWA	12/21/2012
Naruhisa MIURA	12/21/2012
Shiro HINO	12/21/2012
Shuhei NAKATA	12/20/2012
Kenichi OHTSUKA	12/20/2012
Shoyu WATANABE	12/26/2012
Masayuki IMAIZUMI	12/20/2012
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:	13806534
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REEL: 029948 FRAME: 0180

NAME OF SUBMITTER:

David Avila

Total Attachments: 2

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Assignment of Application

INSERT NAMES AND RESIDENCE ADDRESS OF THE INVENTORS:

WHEREAS, I (WE) 1) Akihiko FURUKAWA
2) Yasuhiro KAGAWA
3) Naruhisa MIURA
4) Shiro HINO
5) Shuhei NAKATA
6) Kenichi OHTSUKA
7) Shoyu WATANABE
8) Masayuki IMAIZUMI
all of: c/o Mitsubishi Electric Corporation, 7-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo
100-8310, Japan

, respectively,

INSERT TITLE OF INVENTION:

have invented certain new and useful improvements in: POWER SEMICONDUCTOR DEVICE

(Application No. 13/806,534, filed December 21, 2012), and

INSERT NAME AND ADDRESS OF COMPANY OR OTHER ASSIGNEE

WHEREAS, Mitsubishi Electric Corporation
(hereinafter referred to as "ASSIGNEE") having a place of business at: 7-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8310, Japan is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application(s)) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

07/09

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, L.L.P. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, 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.

Date: <u>December 18, 2012</u>	<u>Akihiko Furukawa</u> (Signature of Inventor) Akihiko FURUKAWA
Date: <u>December 21, 2012</u>	<u>Yasuhiro Kagawa</u> (Signature of Inventor) Yasuhiro KAGAWA
Date: <u>December 21, 2012</u>	<u>Naruhisa Miura</u> (Signature of Inventor) Naruhisa MIURA
Date: <u>December 21, 2012</u>	<u>Shiro Hino</u> (Signature of Inventor) Shiro HINO
Date: <u>December 20, 2012</u>	<u>Shuhei Nakata</u> (Signature of Inventor) Shuhei NAKATA
Date: <u>December 20, 2012</u>	<u>Kenichi Ohtsuka</u> (Signature of Inventor) Kenichi OHTSUKA
Date: <u>December 26, 2012</u>	<u>Shoyu Watanabe</u> (Signature of Inventor) Shoyu WATANABE
Date: <u>December 20, 2012</u>	<u>Masayuki Imaizumi</u> (Signature of Inventor) Masayuki IMAIZUMI

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