

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT				
NATURE OF CONVEYANCE:	ASSIGNMENT				
CONVEYING PARTY DATA					
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Toru MIYAMAE</td> <td>11/21/2012</td> </tr> </tbody> </table>		Name	Execution Date	Toru MIYAMAE	11/21/2012
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Toru MIYAMAE	11/21/2012				
RECEIVING PARTY DATA					
Name:	FUJITSU SEMICONDUCTOR LIMITED				
Street Address:	2-10-23 Shin-Yokohama, Kohoku-ku				
City:	Yokohama-shi, Kanagawa				
State/Country:	JAPAN				
Postal Code:	222-0033				
PROPERTY NUMBERS Total: 1					
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13716137</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13716137
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Application Number:	13716137				
CORRESPONDENCE DATA					
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NAME OF SUBMITTER:	Tiep H Nguyen				
Total Attachments: 1 source=11-40767_ASN_00#page1.tif					

CH \$40.00 13716137

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$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))

FUJITSU SEMICONDUCTOR LIMITED
2-10-23, Shin-Yokohama, Kohoku-ku, Yokohama-shi, Kanagawa 222-0033 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 entitled (Title of Invention)

DC-DC CONVERTER AND METHOD OF CONTROLLING DC-DC CONVERTER

relating to International Patent Application, 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 December 15, 2012

Serial No. 13/716,137;

Assignee's attorney is hereby authorized to insert in (b) the specified 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 all acts 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 sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

1) Toru Miyamae
(Signature)

Toru MIYAMAE
(Type Name)

Nov 21, 2012
(Date)