

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Yoshihiro TAKAHASHI</td> <td>05/13/2009</td> </tr> <tr> <td>Daisuke SUZUKI</td> <td>05/13/2009</td> </tr> <tr> <td>Yoshihiro MOTOICHI</td> <td>05/13/2009</td> </tr> <tr> <td>Gentaro KUROKAWA</td> <td>05/13/2009</td> </tr> </tbody> </table>		Name	Execution Date	Yoshihiro TAKAHASHI	05/13/2009	Daisuke SUZUKI	05/13/2009	Yoshihiro MOTOICHI	05/13/2009	Gentaro KUROKAWA	05/13/2009
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Gentaro KUROKAWA	05/13/2009										
<b>RECEIVING PARTY DATA</b>											
Name:	MITSUMI ELECTRIC CO., LTD.										
Street Address:	2-11-2, Tsurumaki, Tama-shi,										
City:	Tokyo										
State/Country:	JAPAN										
Postal Code:	206-8567										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12467466</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12467466						
Property Type	Number										
Application Number:	12467466										
<b>CORRESPONDENCE DATA</b>											
Fax Number:	(212)319-5101										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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NAME OF SUBMITTER:	barbara villani										
Total Attachments: 2 source=09321assi#page1.tif source=09321assi#page2.tif											

OP \$40.00 12467466

**PATENT**

**500862251**

**REEL: 022696 FRAME: 0830**

**ASSIGNMENT**

In consideration of value received, I, having a residence and post office address as stated below next to my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of an invention described in an application for United States patent entitled:

CHARGE-CONTROLLING SEMICONDUCTOR INTEGRATED CIRCUIT AND CHARGING APPARATUS

sell and assign to MITSUMI ELECTRIC CO., LTD.

a corporation of Japan

having a business address at 2-11-2, Tsurumaki, Tama-shi, Tokyo 206-8567 Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said application for United States patent executed

and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty it is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

I hereby grant to any attorney member of the following law firm the power to insert on this Assignment the Serial Number and filing date of said application when known.

SERIAL NO.:

FILING DATE:

Frishauf, Holtz, Goodman & Chick, P.C., 220 Fifth Avenue – 16<sup>th</sup> Floor, New York, NY 10001-7708.

INVENTOR: SIGNATURE		DATE	ADDRESS
Sign: <i>Yoshihiro Takahashi</i>	Date: <i>May 13, 2009</i>	Witness: <i>Hiroyuki Watanabe</i>	Address: c/o MITSUMI ELECTRIC CO., LTD. 2-11-2, Tsurumaki, Tama-shi, Tokyo 206-8567 Japan
Type: Yoshihiro TAKAHASHI			
Sign: <i>Daisuke Suzuki</i>	Date: <i>may 13, 2009</i>	Witness: <i>Hiroyuki Watanabe</i>	Address: c/o MITSUMI ELECTRIC CO., LTD. 2-11-2, Tsurumaki, Tama-shi, Tokyo 206-8567 Japan
Type: Daisuke SUZUKI			
Sign: <i>Yoshihiro Motoichi</i>	Date: <i>May 13, 2009</i>	Witness: <i>Hiroyuki Watanabe</i>	Address: c/o MITSUMI ELECTRIC CO., LTD. 2-11-2, Tsurumaki, Tama-shi, Tokyo 206-8567 Japan
Type: Yoshihiro MOTOICHI			

NOTES: MUST BE DATED. WITNESS DESIRABLE. LEGALIZATION NOT REQUIRED

RECORDING OFFICER:

After recording, please return to: Customer No. 01933  
FRISHAUF, HOLTZ, GOODMAN & CHICK, P.C.  
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**REEL: 022696 FRAME: 0831**

# ASSIGNMENT

INVENTOR: SIGNATURE	DATE	POST OFFICE ADDRESS
Sign: <i>Gentaro Kurokawa</i>	Date: <i>May 13, 2009</i>	Address: c/o MITSUMI ELECTRIC CO., LTD. 2-11-2, Tsurumaki, Tama-shi, Tokyo 206-8567 Japan
Type: Gentaro KUROKAWA	Witness: <i>Hiroyuki Watanabe</i>	
Sign:	Date:	Address:
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