

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>Kenji HATORI</td><td>12/03/2007</td></tr><tr><td>Atsushi NARAZAKI</td><td>12/04/2007</td></tr></tbody></table>	Name	Execution Date	Kenji HATORI	12/03/2007	Atsushi NARAZAKI	12/04/2007	
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Kenji HATORI	12/03/2007						
Atsushi NARAZAKI	12/04/2007						
RECEIVING PARTY DATA							
Name:	MITSUBISHI ELECTRIC CORPORATION						
Street Address:	7-3, Marunouchi 2-chome, Chiyoda-ku						
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State/Country:	Japan						
Postal Code:	100-8310						
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>12020959</td></tr></tbody></table>	Property Type	Number	Application Number:	12020959			
Property Type	Number						
Application Number:	12020959						
CORRESPONDENCE DATA							
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NAME OF SUBMITTER:	Wosene Alemayehu						
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OP \$40.00 12020959

500449871

PATENT
REEL: 020424 FRAME: 0545

WHEREAS, I (WE) Kenji HATORI, Chiyoda-ku, Tokyo, Japan

Atsushi NARAZAKI, Chiyoda-ku, Tokyo, Japan

_____, respectively,

have invented certain new and useful improvements in: Semiconductor Device

(Application No. _____, filed _____), and

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 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.

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 Letter 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, P.C. 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: December 3, 2007

Kenji Hatori
(Signature of Inventor) Kenji HATORI

Date: December 4, 2007

Atsushi Narazaki
(Signature of Inventor) Atsushi NARAZAKI

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
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ALEXANDRIA, VIRGINIA 22314