

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Yoshihiko HANAMAKI	09/25/2006
Kenichi ONO	09/25/2006
Masayoshi TAKEMI	09/26/2006
Makoto TAKADA	09/25/2006
RECEIVING PARTY DATA	
Name:	Mitsubishi Electric Corporation
Street Address:	7-3, Marunouchi 2-chome
Internal Address:	Chiyoda-ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	100-8310
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11549983
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CH \$40.00 11549983

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**PATENT**  
**REEL: 018399 FRAME: 0115**



ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

(1) Yoshihiko HANAMAKI  
(3) Masayoshi TAKEMI

(2) Kenichi ONO  
(4) Makoto TAKADA

who have made a certain new and useful invention, hereby sell, assign and transfer unto

Mitsubishi Electric Corporation  
7-3, Marunouchi 2-chome  
Chiyoda-ku, Tokyo 100-8310  
JAPAN

its successors and assigns ( hereinafter designated "ASSIGNEE" ) the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

Semiconductor Device and Manufacturing Method Therefor

for which an application for United States Letters Patent was executed on even date herewith,

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the international Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS

DATE SIGNED

1) Yoshihiko Hanamaki  
Name: Yoshihiko HANAMAKI

September 25th, 2006

2) Kenichi Ono  
Name: Kenichi ONO

September 25th, 2006

3) Masayoshi Takemi  
Name: Masayoshi TAKEMI

September 26th, 2006

4) Makoto Takada  
Name: Makoto TAKADA

September 25th, 2006

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