



07-03-2000



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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

MIYASAKA et al.

Group Art Unit: 2811

Serial No.: 09/481,242

Examiner:

Filed: January 11, 2000

For: SEMICONDUCTOR DEVICE WITH ALTERNATING CONDUCTIVITY TYPE LAYER
AND METHOD OF MANUFACTURING THE SAME

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By: Marc A. Rossi

Marc A. Rossi

ASSIGNMENT TRANSMITTAL LETTER

Assistant Commissioner for
Patents, Washington, D.C. 20231

Sir:

Please record the attached Assignment in the name of the assignor and the assignee as
indicated below and return the original document to the undersigned.

1. Name of Conveying Party(ies):

Yasushi MIYASAKA; Tatsuhiko FUJIHIRA

2. Name and Address of Receiving Party(ies):

FUJI Electric Co., Ltd.
1-1 Tanabeshinden, Kawasaki-ku
Kawasaki 210-0856, JAPAN

PATENT
REEL: 010754 FRAME: 0178



3. Execution Date of Assignment: 1/21/00
4. If this Assignment is being filed together with a new application, the execution date of the application is: _____.
5. Total number of applications and patents involved: 1

All correspondence should be addressed to:

Marc A. Rossi
ROSSI & ASSOCIATES
P.O. Box 826
Ashburn, VA 20146-0826

The Assignment recordation fee (\$40.00) is covered by our attached Check

Number # _____.

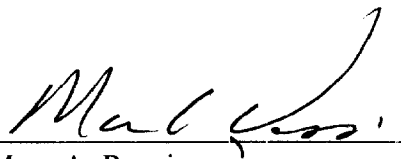
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Respectfully submitted,

ROSSI & ASSOCIATES

06/19/00
Date


Marc A. Rossi
Registration No. 31,923

Attorney Docket No. FUJI:152

my
3/10/00

04-12-2000



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PATENT

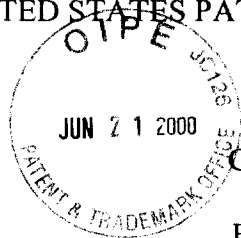
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

MIYASAKA et al.

Serial No.: 09/481,242

Filed: January 11, 2000



Group Art Unit: 2811

Examiner:

20 MAR 10 AM 9:45
CPR/FINANCE

For: SEMICONDUCTOR DEVICE WITH ALTERNATING CONDUCTIVITY TYPE LAYER
AND METHOD OF MANUFACTURING THE SAME

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Date: 3-6-00

By: Marc A. Rossi
Marc A. Rossi

ASSIGNMENT TRANSMITTAL LETTER

Assistant Commissioner for
Patents, Washington, D.C. 20231

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Kawasaki 210-0856, JAPAN

04/12/2000 DCDATES 00000115 09481242

01 FC:581

40.00 UP

PATENT
REEL: 010754 FRAME: 0180

3. Execution Date of Assignment: 1/21/00
4. If this Assignment is being filed together with a new application, the execution date of the application is:
_____.
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Ashburn, VA 20146-0826

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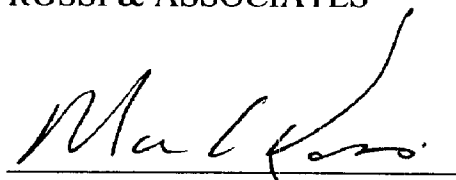
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Respectfully submitted,

ROSSI & ASSOCIATES



Marc A. Rossi
Registration No. 31,923

3-6-00

Date

Attorney Docket No. FUJI:152

*** ASSIGNMENT ***

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt of which is hereby acknowledged, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to:

Name: FUJI ELECTRIC CO., LTD.

Address: 1-1 Tanabeshinden, Kawasaki-ku, Kawasaki 210-0856, JAPAN

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefore, known as:

Title: SEMICONDUCTOR DEVICE WITH ALTERNATING CONDUCTIVITY TYPE LAYER AND METHOD OF MANUFACTURING THE SAME

identified by the Assignee as 98 P 01398 US and ATTORNEY DOCKET NUMBER FUJI:152, for which the undersigned has (have) executed and filed an application for patent in the United States of America on the date January 11, 2000 and now designated as U.S. Patent Application Serial No. _____.

The undersigned hereby agree(s) to: (1) execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient; (2) execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference; (3) execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention of Protection of Industrial Property or similar agreements; and (4) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said applications or any division or divisions or continuing applications thereof to said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned have full right to convey the entire interest herein assigned, and that the undersigned has (have) not executed and will not execute any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of ROSSI & ASSOCIATES the power to insert on this assignment any further identification, including but not limited to the ATTORNEY DOCKET NUMBER, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the signature(s) of the undersigned:

Print Name	Date	Signature
(1) <u>YASUSHI MIYASAKA</u>	<u>January 21, 2000</u> Month/Day/Year	<u>Yasushi Miyasaka</u>
(2) <u>TATSUHIKO FUJIHARA</u>	<u>January 21, 2000</u> Month/Day/Year	<u>Tatsuhiko Fujiwara</u>

This assignment should preferably be signed before: a Notary Public if within the United States of America; a U.S. Consul if outside the United States of America; or before at least two witnesses. Witnessed by:

(1) _____	_____ Month/Day/Year	_____
(2) _____	_____ Month/Day/Year	_____