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If this document is being filed with a **new** Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year

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Enter PCT application number PCT PCT PCT
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Number of Properties Enter the total number of properties involved. #

Fee Amount Fee Amount for Properties Listed (37 CFR 3.41: \$
Method of Payment: Enclosed Deposit Account
Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account.)
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Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Shahan Islam
Name of Person Signing


Signature

June 29, 2000
Date

ADDITIONAL NAMES OF CONVEYING PARTIES

<u>Name</u>	<u>Date</u>
Nobuyuki YAMAZAKI	June 7, 2000
Yasushi INOUE	May 18, 2000
Takeshi NAKAYAMA	May 16, 2000
Junichi SHIMAMURA	May 18, 2000
Yuji EBINUMA	May 18, 2000
Takynki TSUKAMOTO	May 18, 2000

ASSIGNMENT (JOINT)

WHEREAS, WE, Mitsuaki Ootani, Yoshiyuki Wasada, Nobuyuki Yamazaki, Yasushi Inoue,

Inventors' Names

Takeshi Nakayama, Junichi Shimamura, Yuji Ebinuma and Takayuki Tsukamoto, ASSIGNORS and citizens, respectively of Japan, residing respectively at 16-20, Ueno 6-chome, Taito-Ku, Tokyo 110-0005, Japan;

Country/Countries

Respective Home Addresses

16-20, Ueno 6-chome, Taito-Ku, Tokyo 110-0005, Japan; 16-20, Ueno 6-chome, Taito-Ku, Tokyo 110-0005, Japan; 16-20, Ueno 6-chome, Taito-Ku, Tokyo 110-0005, Japan; 16-20, Ueno 6-chome, Taito-Ku, Tokyo 110-0005, Japan; 16-20, Ueno 6-chome, Taito-Ku, Tokyo 110-0005, Japan; and 16-20, Ueno 6-chome, Taito-Ku, Tokyo 110-0005, Japan, are the inventors of the invention in SWITCHING CIRCUIT HAVING A SWITCHING SEMICONDUCTOR DEVICE AND CONTROL METHOD THEREOF

Title of Application

for which we have executed an application for a Patent of the United States; and

which is executed on even date herewith or _____

Date of Execution

which is identified by Rosenman & Colin LLP Docket No. _____

which was filed on _____, Serial No. _____

WHEREAS, TAIYO YUDEN CO., LTD., 16-20 Ueno 6-chome, Taito-Ku, Tokyo, 110-0005, Japan,

Name of Assignee

ASSIGNEE is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, or will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date: May 18, 2000

Mitsuaki Ootani
Signature

Date: Jun. 6, 2000

Yoshiyuki Wasada
Signature

Date: Jun. 7, 2000

Nobuyuki Yamazaki
Signature

Date: May 18, 2000

Yasushi Inoue
Signature

Date: May 16, 2000

Takeshi Nakayama
Signature

Date: May 18, 2000

Junichi Shimemura
Signature

Date: May 18, 2000

Yuji Ebinuma
Signature

Date: May 18, 2000

Takayuki Tsukamoto
Signature