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Attorney Docket No.: 005702-2

101061051

To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

10525 U.S. P.T.O.  
09/322741  
05/28/99

1. Name of conveying party(ies):

YOSHINO, Daiki

Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies):

Kabushiki Kaisha Toshiba  
72, Horikawa-Cho, Saiwai-Ku  
Kawasaki-Shi  
Kanagawa-Ken, Japan

09322741

3. Nature of conveyance:

Assignment

Execution Date: May 21, 1999

Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: May 21, 1999

A. Patent Application No.(s) NOT ASSIGNED

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

William H. Wright, Esq.  
LOEB & LOEB LLP  
10100 Santa Monica Blvd., 22nd Floor  
Los Angeles, CA 90067-4164

6. Total number of applications and patents involved: [ 1 ]

7. Total fee (37 CFR 3.41) \$40

Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number:

12-1820

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.

William H. Wright

Date: May 28, 1999

OMB No. 0651-0011 (exp. 4/94)

Mail documents to be recorded with required cover sheet information to:

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40.00 DP

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

ASSIGNMENT

Attorney Docket No. 005702-20012

(1-8) Insert Name(s) of Inventor(s) (1) Daiki YOSHINO (5) (2) (6) (3) (7) (4) (8)

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

(9) Insert name of Assignee (9) KABUSHIKI KAISHA TOSHIBA

(10) Insert state of Incorporation of Assignee (10) an Incorporation of Japan

(11) Insert address of Assignee (11) of 72, Horikawa-Cho, Saiwai-Ku, Kawasaki-Shi, Kanagawa-Ken, Japan (hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as

(12) Insert identification of Invention, such as Title, Case Number or Foreign Application Number (12) SEMICONDUCTOR DEVICE (Case No. )

for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.

(13) Insert Date of Signing of Application (13) on May 21, 1999

1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to 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) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) 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 application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not execute, any agreement in conflict herewith.

6) The undersigned hereby appoints STUART LUBITZ, Reg. No. 20,680; LOUIS A. MOK, Reg. No. 22,585; JOHN P. SCHERLACHER, Reg. No. 23,009; MICHAEL J. RAM, Reg. No. 26,379; HIDEO KODA, Reg. No. 27,729; R. DABNEY EASTHAM, Reg. No. 31,247; JoANNE S. REDMANN, Reg. No. 31,482; SONG K. JUNG, Reg. No. 35,210; WILLIAM H. WRIGHT, Reg. No. 36,312; PETER J. GLUCK, Reg. No. 38,022; JONATHAN Y. KANG, Reg. No. 38,199; DAVID L. LUBITZ, Reg. No. 38,229; WEI-NING YANG, Reg. No. 38,690 the power to insert on this assignment any further identification 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 May 21, 1999 Signature of Inventor Daiki YOSHINO

Date: Signature of Inventor

Date: Signature of Inventor

Date: Signature of Inventor