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06-19-2002



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Our Ref.: 925-223

Commissioner of Patents and Trademarks  
Box Assignment, Washington, D.C. 20231

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
 Takuo Sugano                      Yoshiro Akagi  
 Toru Toyabe  
 Tatsuro Hanajiri  
 Akira Saito

Additional name/s of conveying party/ies attached?

3. Nature of conveyance:  
 Assignment                       Merger  
 Security Assignment             Change of Name  
 Other Record to correct error of Assignees previously recorded at Reel 012727/Frames 0341-0343

Execution Date: March 15, 2002, March 11, 2002, March 11, 2002, February 27, 2002 and March 1, 2002, respectively

6-12-02

2. Name and address of receiving party(ies):  
 Name: Takuo SUGANO, Toru TOYABE and Tatsuro HANAJIRI, respectively  
 Internal Address:  
 Street Address: 2-2-3, Sakura, Setagaya-ku; 2-1304, Nishi, 3369, Katsuse, Fujimi-shi; and 607, Ikusukoa-Sakurashinmachi, 3-2-3, Shinmachi, Setagaya-ku, respectively  
 City: Tokyo-to; Saitama-ken; and Tokyo-to, respectively  
 State/Country: Japan, respectively  
 Zip:

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: \_\_\_\_\_

A. Patent Application No(s).  
 (1) 10/058,221  
 (2) \_\_\_\_\_  
 (3) \_\_\_\_\_

B. Patent No(s).  
 (1) \_\_\_\_\_  
 (2) \_\_\_\_\_  
 (3) \_\_\_\_\_

Additional numbers attached  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
 Name: H. Warren Burnam, Jr.  
 Internal Address: \_\_\_\_\_  
 Street Address: Nixon & Vanderhye P.C.  
 1100 North Glebe Road  
 8<sup>th</sup> Floor  
 City: Arlington State: VA Zip: 22201

6. Total number of applications & patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00  
 Enclosed  
 Authorized to be charged to deposit account #14-1140

8. The Commissioner is hereby authorized to charge any deficiency, or credit any overpayment, in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.

06/18/2002 TDINZI 00000108 10058221  
01 FC 581 40.00

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9. Statements 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.

H. Warren Burnam, Jr.                      *H. Warren Burnam, Jr.*                      June 12, 2002  
 Name of Person Signing                      Signature                      Date  
 Reg. No. 29,366

Total number of pages including original cover sheet, attachments, and document: [3]

HWB:lsh

RECORDATION FORM COVER SHEET

**PATENTS ONLY**

Our Ref: 925-223

Commissioner of Patents and Trademarks  
Box Assignment, Washington, D.C. 20231

1. Name of conveying party(ies):	
2. Name: Sharp Kabushikik Kaisha Street Address: 22-22, Nagaike-cho, Abeno-ku City: Osaka State: Japan Zip: 545-8522	
4. Application number(s) or patent number(s):	
A. Patent Application No(s).	B. Patent No(s).
(4)	(4)
(5)	(5)
(6)	(6)
(7)	(7)
(8)	(8)
(9)	(9)

ASSIGNMENT OF U.S. PATENT APPLICATION

Inventors Takuo SUGANO
Toru TOYABE
Tatsuro HANAJIRI
Akira SAITO
Yoshiro AKAGI

Assignees Addresses 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 50% to be divided equally over to Takuo SUGANO, Toru TOYABE and Tatsuro HANAJIRI, respectively 2-2-3, Sakura, Setagaya-ku, Tokyo-to, Japan; 2-1304, Nishi, 3369, Katsuse, Fujimi-shi, Saitama-ken, Japan; and 607, Ikusukoa-Sakurashinmachi, 3-2-3, Shinmachi, Setagaya-ku, Tokyo-to, Japan, respectively, and 50 % over to

Assignee Address SHARP KABUSHIKI KAISHA, a corporation of Japan 22-22, Nagaike-cho, Abeno-ku, Osaka, Japan 545-8522

(Title) (hereinafter designated as the Assignee) the undersigned's 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 FULLY INVERTED TYPE SOI-MOSFET CAPABLE OF INCREASING THE EFFECTIVE MUTUAL CONDUCTANCE

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed on UNKNOWN or has already filed U.S. appln. Serial No. UNKNOWN on January 29, 2002.

The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared 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 and further to 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.

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.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent 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) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. 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 Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

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

Date March 15, 2002 Signature of inventor
Date March 11, 2002 Signature of inventor
Date March 11, 2002 Signature of inventor
Date February 27, 2002 Signature of inventor
Date March 1, 2002 Signature of inventor

Takuo Sugano
Takuo SUGANO
Toru Toyabe
Toru TOYABE
Tatsuro Hanajiri
Tatsuro HANAJIRI
Akira Saito
Akira SAITO
Yoshiro Akagira
Yoshiro AKAGI

Witnessed by: Satoko Koshie
Witnessed by: Tadahiro Itoh
Witnessed by: Kyoko Hara
Witnessed by: Sawako Hattori

Date February 27, 2002
Date March 1, 2002
Date March 11, 2002
Date March 15, 2002 PATENT