



04-02-2002



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U.S. Department of Commerce  
Patent and Trademark Office

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.

<p>1. Name of conveying party(ies): Takuo Sugano                      Yoshiro Akagi Toru Toyabe Tatsuro Hanajiri Akira Saito</p> <p>Additional name/s of conveying party/ies attached? <input type="checkbox"/></p> <p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment                      <input type="checkbox"/> Merger <input type="checkbox"/> Security Assignment           <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>Execution Date: March 15, 2002, March 11, 2002, March 11, 2002, February 27, 2002 and March 1, 2002, respectively</p>		<p>2. Name and address of receiving party(ies):  Name: Sharp Kabushiki Kaisha Internal Address: Street Address: 22-22, Nagaike-cho, Abeno-ku  City: Osaka State/Country: Japan Zip: 545-8522</p> <p>Additional name/s &amp; address/es attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>				
<p>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: _____</p> <table border="0"><tr><td>A. Patent Application No(s). (1) <u>10/058,221</u> (2) (3)</td><td>B. Patent No(s). (1) (2) (3)</td></tr></table> <p>Additional numbers attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>				A. Patent Application No(s). (1) <u>10/058,221</u> (2) (3)	B. Patent No(s). (1) (2) (3)	
A. Patent Application No(s). (1) <u>10/058,221</u> (2) (3)	B. Patent No(s). (1) (2) (3)					
<p>5. Name and address of party to whom correspondence concerning document should be mailed:  Name: <u>H. Warren Burnam, Jr.</u>  Internal Address: _____  Street Address: <u>Nixon &amp; Vanderhye P.C.</u> <u>1100 North Glebe Road</u> <u>8<sup>th</sup> Floor</u> City: <u>Arlington</u> State: <u>VA</u> Zip: <u>22201</u></p>		<p>6. Total number of applications &amp; patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41) \$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account #14-1140</p> <p>8. The Commissioner is hereby authorized to charge any <u>deficiency</u>, 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 <b>Account No. 14-1140</b>.</p>				
<p style="text-align: center;"><b>DO NOT USE THIS SPACE</b></p>						
<p>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.</p> <table border="0"><tr><td><u>H. Warren Burnam, Jr.</u> Name of Person Signing Reg. No. 29,366</td><td> Signature</td><td><u>March 26, 2002</u> Date</td></tr></table> <p>Total number of pages including <b>original</b> cover sheet, attachments, and document: [3]</p> <p>HWB:lsb</p>				<u>H. Warren Burnam, Jr.</u> Name of Person Signing Reg. No. 29,366	 Signature	<u>March 26, 2002</u> Date
<u>H. Warren Burnam, Jr.</u> Name of Person Signing Reg. No. 29,366	 Signature	<u>March 26, 2002</u> Date				

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RECORDATION FORM COVER SHEET

**PATENTS ONLY**

Our Ref: 925-223

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Box Assignment, Washington, D.C. 20231

1. Name of conveying party(ies):

2. Name: Takuo SUGANO, Toru TOYABE and Tatsuro HANAJIRI, respectively  
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: Japan, respectively  
Zip:

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

A. Patent Application No(s).

(4)  
(5)  
(6)  
(7)  
(8)  
(9)

B. Patent No(s).

(4)  
(5)  
(6)  
(7)  
(8)  
(9)

# ASSIGNMENT OF U.S. PATENT APPLICATION

**Inventors** Takuo SUGANO  
Toru TOYABE  
Tatsuro HANAJIRI  
Akira SAITO  
Yoshiro AKAGI

**Assignees** Takuo SUGANO, Toru TOYABE and Tatsuro HANAJIRI, respectively  
**Addresses** 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** SHARP KABUSHIKI KAISHA, a corporation of Japan  
**Address** 22-22, Nagaike-cho, Abeno-ku, Osaka, Japan 545-8522  
 (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  
**(Title)** 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 \_\_\_\_\_ 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 Akagiri  
 Yoshiro AKAGI

Witnessed by: Satoko Koshio  
 Witnessed by: Naoko Itoh  
 Witnessed by: Kyoko Hata  
 Witnessed by: Saeko Wattori

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