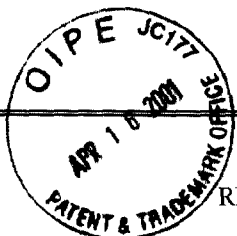


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Execution Date: February 26, 2001

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: February 26, 2001

A. Patent Application No.(s)/Confirmation No.(s)  
09/751,938 /7968

B. Patent No.(s)

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

SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC  
2100 Pennsylvania Avenue, N.W.  
Suite 800  
Washington, D.C. 20037-32136. Total number of applications and registration involved:  
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# ASSIGNMENT

Whereas, I/We, Young-jin Song and Seung-ho Nam of 1-107 Yeokbuk Apt.,  
472 Yeokbuk-dong, Yongin-city, Kyungki-do, Rep. of Korea and 111-704  
Sunkyung Apt., 536 Yatap-dong, Pundang-gu, Seongnam-city, Kyungki-do,  
Rep. of Korea

hereinafter called assignor(s), have invented certain improvements in

APPARATUS AND METHOD FOR FORMING APERTURE OF VERTICAL CAVITY SURFACE EMITTING  
LASER BY SELECTIVE OXIDATION

and executed an application for Letters Patent of the United States of America therefor on

26 February 2001; and

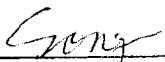
Whereas, SAMSUNG ELECTRONICS CO., LTD. of 416, Maetan-dong, Paldal-gu, Suwon-city,  
Kyungki-do, Republic of Korea (assignee), desires to acquire the entire right, title and interest in the  
application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

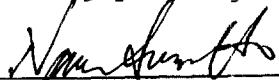
I/We the above-named assignor(s), hereby sell, assign and transfer to the above named assignee,  
its successors and assigns, the entire right, title and interest in the application and the invention disclosed  
therein for the United States of America, including the right to claim priority under 35 U.S.C. § 119, and  
I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth  
in the application to the assignee, its successors and assigns; and I/we will execute without further  
consideration all papers deemed necessary by the assignee in connection with the United States application  
when called upon to do so by the assignee.

I/We hereby authorize and request my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS,  
PLLC of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses  
(Application number 09/751,938, filed 2 January 2001) the filing date and application  
number of said application when known.

Date: 26 Feb. 2001

s/   
Young-jin Song

Date: 26 Feb. 2001

s/   
Seung-ho Nam

Date: \_\_\_\_\_

s/ \_\_\_\_\_

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)  
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