

10/25/04



10-28-2004

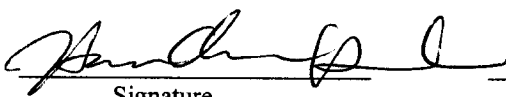


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FORM PTO-1595
1-31-92

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
Docket No.: 6192.0309.US

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

<p>1. Name of conveying party(ies): Yong-Kyu JANG; Won-Sang PARK; Jae-Hyun KIM Sang-Woo KIM; Sung-Eun CHA; Jae-Young LEE</p> <p>Additional names of conveying party(ies) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p> <p>3. Nature of Conveyance <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>Execution Date: August 20, 2004</p>	<p>2. Name and address of receiving party(ies): Name: Samsung Electronics Co., Ltd. Internal Address: Street Address: 416, Maetan-dong, Yeongtong-gu City: Suwon-si, Gyeonggi-do State or Country: The Republic of KOREA</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p>
<p>4. Application number(s) or patent number(s): Title: REFLECTIVE TRANSMISSIVE TYPE LIQUID CRYSTAL DISPLAY DEVICE</p> <p>If this document is being filed together with a new application, the execution date of the application is A. Patent Application No(s). 10/886,564 filed on July 9, 2004 B. Patent No(s). Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed: Hae-Chan Park, Esq. McGuire Woods LLP 1750 Tysons Boulevard, Suite 1800 McLean, Virginia 22102</p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41): \$40.00 <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Total fee due <input checked="" type="checkbox"/> Any deficiencies in the enclosed fees</p> <p>8. Deposit account number: 23-1951</p>
<p>9. 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.</p> <p><u>Hae-Chan Park, Reg. No. 50,114</u>  <u>October 25, 2004</u> Name of Person Signing Signature Date</p>	

10/27/2004 ECOOPER 00000133 10006564
01 FC:8021 40.00 DP

ASSIGNMENT OF INVENTION

WHEREAS, I/WE, Yong-Kyu JANG, Won-Sang PARK, Jae-Hyun KIM, Sang-Woo KIM, Sung-Eun CHA and Jae-Young LEE , has/have invented certain new and useful improvements in REFLECTIVE TRANSMISSIVE TYPE LIQUID CRYSTAL DISPLAY DEVICE for which a patent application has been executed.

AND WHEREAS, Samsung Electronics Co., Ltd. having a principal place of business at 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, The Republic of KOREA, referred to as Assignee, is desirous of acquiring our interest in said invention and in any Letters Patent which may be granted therefor.

NOW THIS INDENTURE WITNESSETH, That for a valuable consideration, the receipt of which is hereby acknowledged, we hereby assign, sell and transfer unto the said assignee, the entire right, title and interest in and to inventions disclosed in said application and in and to any Letters Patent of the United States and in and to any Letters Patent or Inventor's Certificates of any and all foreign countries which may be granted therefor, and in and to any and all priority and/or Convention rights or benefits accruing or to accrue to us with respect to the filing or securing of patents in the United States and/or securing of patents or inventor's certificates in any and all countries foreign thereto.

AND I/WE hereby grant to assignee the right to apply in its own name for patents or inventor's certificates corresponding to the above invention in countries foreign to the United States.

AND I/WE hereby further agree to sign and properly execute such necessary and lawful papers for application for foreign patents and inventor's certificates for filing applications for United States, foreign patents and inventor's certificates for subdivisions of any applications for patent or inventor's certificate and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for our aforesaid invention and to perform such further acts as may be required to carry out the intent of this agreement as the assignee thereof shall hereafter require and prepare at assignee's expense.

Dated: August 20, 2004

Yong-Kyu Jang
Name: Yong-Kyu JANG

Dated: August 20, 2004

Won Sang Park
Name: Won-Sang PARK

Dated: August 20, 2004

Jae-Hyun KIM
Name: Jae-Hyun KIM

Dated: August 20, 2004

Sang-Woo Kim
Name: Sang-Woo KIM

Dated: August 20, 2004

Sung-Eun CHA
Name: Sung-Eun CHA

Dated: August 20, 2004

Jae-Young Lee
Name: Jae-Young LEE