05-13-2005

RECORDATION 193002401 U.S. DEPARTMENT OF COMMERCE FORM PTO-1595 Patent and Trademark Office PATENTS ONLY To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party: SAMSUNG SDI CO., LTD., 1) WON-KYU KWAK a corporation organized under the laws of the Republic of Korea 575 Shin-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of KOREA Additional name(s) of conveying party(ies) attached? □ Yes ☑ No 3. Nature of conveyance □ Merger □ Security Agreement □ Change of Name Additional name(s) & addresses attached? □ Yes ☑ No □ Other Execution Date: 4 May 2005 4. Application number(s) or Patent number(s): If this document is being filed together with a new application, the execution of the application is: A. Patent Application No.(s) B. Patent No.(s) 11/050,664 Additional number(s) attached? □ Yes ☑ No 6. Total Number of applications and patents involved: ONE 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR § 3.41) ...... \$ <u>U.S. \$40.00</u> Robert E. Bushnell Name: Attorney at Law □ Authorized to be charged to deposit account Suite 300, 1522 "K" Street, N.W. Washington, D.C. 20005 8. Deposit Account Number: (202) 408-9040 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 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. May 9, 2005 Robert E. BUSHNELL Name of Person Signing Date Total number of pages comprising cover sheet: TWO OMB No. 0651-0011 (exp. 4/94) Do not detach this portion Mail documents to be recorded with the required cover sheet information to: Mail Stop: Assignment Recordation Services **Director of the U.S. Patent and Trademark Office** 

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DOCKET NO. P57188

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that: IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt of which from the hercinafter named Assignee is hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

ASSIGNEE:

SAMSUNG SDI CO., LTD.,

a corporation organized under the laws of the Republic of Korea.

ADDRESS:

575, Shin-dong Yeongtong-gu, Suwon-si, Gyeonggi-do

Republic of KOREA,

Who is my Assignee, and to the successors and assigns of my Assignee, all my right, title and interest, in and for the United States of America and all other countries, including all rights of priority, in and to the invention entitled:

TITLE:

## FLAT PANEL DISPLAY

invented by me (if only one inventor is named below) or us (if more than one inventor is named below) and described in an application for a United States patent the specification of which is either attached hereto or otherwise accompanies this Assignment, or is more particularly

凶	Serial No. 11/050,664 filed in the U.S. Patent & Trademark Of	ffice on	4	Feb.	2005	0
	executed on					

and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations, continuations-in-part, reissued and ro-examined putents, and to any extensions thereof, said interest being the entire ownership of the patent when granted, to be held and enjoyed by said SAMSUNG SDI CO., LTD., my Assignee, its successors, assigns or other legal representatives, to the full end of the term, terms, or any extension or renowal thereof, for which said patent or putents may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment, sale and conveyance had not been made;

AND I hereby covenant and agree to sign and execute, without receiving any money or other consideration, any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the abovenamed application or in the preparation and prosecution of all substitute applications, continuation, continuation, continuation-in-part, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial. or otherwise, to secure the title hereto in said Assignee, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreement or treaty to which the United States of America adheres:

AND I do hereby authorize and request the Commissioner of Patent & Trudemarks to issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our atterney, and authorize and request R. E. Bushnell, Reg. No. 27,774, to insert on this Assignment any further identification or to complete such identification which may be either necessary or desirable in order to comply the rules of the United States Putent & Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

INVENTOR(s)	Date Signed	Witness(cs)			
1) WON-KYU KWAK (Seal)	4 May 2005				
2)(Sent)					
Additional inventors are being named on separately	ly numbered sheets attached hereto.				
a 4/10/1996 R.F. Pushnell					

05/06/2005 FRT 04-31 FTY/RY NO-86541 70003

**PATENT** REEL: 016552 FRAME: 0659