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	6-93 RECORDATION FORM COVER SHEETPatent and 7 PATENTS ONLY	101190508	
	To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.		
	Name of conveying party(ies):	Name and address of receiving party(ies): Name: SAMSUNG ELECTRONICS CO. LTD.	
	Bum-Ki BAEK	Name: SAMSUNG ELECTRONICS CO, LTD.	
	Additional name(s) of conveying party(ies) attached? yes no	Street Address: 416, Maetan-dong, Paldal-ku City: Suwon State: Kyungki-do	
		Country: Republic of Korea	
		Additional name(s) & address(es) attached? ☐ yes ☒ no	
	3. Nature of Conveyance:	Additional name(s) & address(cs) attached: 13 yes 22 no	
	⊠Assignment		
	Execution Date(s): October 11, 1999		
	4. Application number(s) or patent number(s): 09 42		
	If this document is being filed together with a new application, the execution date of the application is October 22, 1999.		
	A. Patent Application No(s).	B. Patent No(s).	
	Additional numbers attached? ☐ yes ⊠ no		
	Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved	
	Name: HOWREY & SIMON	7. Total fee (37 C.F.R. § 3.41) <u>\$40.00</u>	
	Internal Address:	☑ Enclosed	
		☐ Authorized to be charged to Deposit Account	
	Street Address: Box No. 34 1299 Pennsylvania Ave, N.W.	8. Deposit Account Number: 08-3038	
	City: Washington State: D.C. Zip Code: 20004-2402		
	DO NOT USE THIS SPACE		
11/01/1 999 Bal e De FC:581	9. Statement and signature. 40.00 00 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.		
	Michael J. Bell Registration No. 39,604 Signature Total number of pages in	October 22, 1999 Date Cluding cover sheet, attachments and document 3	
	OMB NO. 0651-0011 (exp.4/94)		
	Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks, Box Assignments Washington, D.C. 20231		

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to the undersigned: <u>BAEK, Bum-Ki</u>, the undersigned hereby sells and assigns to SAMSUNG ELECTRONICS CO., <u>LTD.</u> (the Assignee), his entire right, title and interest

check applicable box(es)

E: for the United States of America (as defined in 35 U.S.C. § 100),

2: and throughout the world,

in the invention known as

Thin Film Transistor Array Panel For A Liquid Crystal Display And A Method For Manufacturing The Same Using Four Photolithography Steps

, for which applica	tion for patent in the United States of America has been executed by the undersigned
on	(also known as United States Application No.
filed), in any and all applications thereon, in any and all Letters Patent(s) therefor, and
in any and all reissi	nes, extensions, renewals, reexaminations of such applications or Letters Patent(s) and
divisional and con	tinuation applications thereof, to the full end of the term or terms for which such
Letters Patent(s) is	sue, including all claims, if any, that may have arisen for infringement prior to the
date of this assignr	nent, such entire right, title and interest to be held and enjoyed by the above-named
Assignee to the sa	me extent as they would have been held and enjoyed by the undersigned had this
assignment and sale	e not been made.

The undersigned agrees to execute all papers necessary in connection with the application and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agrees to execute all papers necessary in connection with any interference that may be declared concerning the application or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned hereby represents that the undersigned has full right to convey the entire interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict therewith.

The undersigned hereby grants:

Jeffrey I. Auerbach, Reg. No. 32,680 Melvin L. Barnes, Jr. Reg. No. 38,375 Michael J. Bell, Reg. No. 39,604 Mark R. Buscher, Reg. No. 35,006 Celine T. Callahan, Reg. No. 34,301 Cono A. Carrano, Reg. No. 39,623 Joseph V. Colaianni, Reg. No. 39,948 James F. Davis, Reg. No. 21,072 Leslie L. Jacobs, Jr., Reg. No. 40,659 Richard H. Kjeldgaard, Reg. No. 30,186 Joseph P. Lavelie, Reg. No. 31,036 David R. Marsh, Reg. No. 41,408 Kevin W. McCabe, Reg. No. 41,182 Joseph A. Micallef, Reg. No. 39,772 Karen L. Nicastro, Reg. No. 35,968 Andrew Piatnicia, Reg. No. 40,772

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Thomas M. Dunham, Reg. No. 39,965 Joe! M. Freed, Reg. No. 25,101 Alan M. Grimaidi, Reg. No. 26,599 Alexander J. Hadjis, Reg. No. 36,540 Aibert P. Halluin, Reg. No. 25,227 Michael N. Haynes, Reg. No. 40,014

Andrea G. Reister, Reg. No. 36,253 Stephen J. Rosenman, Reg. No. 29,209 Timothy L. Scott, Reg. No. 37,931 Anthony W. Shaw, Reg. No. 30,104 J. David Smith, Reg. No. 39,839 Michael J. Songer, Reg. No. 39,841

of HOWREY & SIMON, Box No. 34, 1299 PENNSYLVANIA Avenue, N.W., Washington, D.C. 20004-2402, power to insert in this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned on the date opposite his name.

Date: October 11, 1999

RECORDED: 10/22/1999

Signature of Inventor: Balk Bumpli
RAEK Bum-Ki

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