	10-23-2001			
	FORM PTO-1595 101883046	U.S. DEPARTMENT OF COMMERCE		
		Patent and Trademark Office FORM COVER SHEET		
(PE)	PATE	NTS ONLY		
Ĩ.	To the Commissioner for Patents	Attorney Docket No.: 041501-5432		
BCT 1 5 2001	Please record the attached original documents or copy the	reof. ATTN: BOX ASSIGNMENT		
1-2. 5	1. Name of conveying party(ies):	2. Name and address of receiving party(ies):		
TRADEWARD	1) Soon Sung YOO5) Dug Jin PARK2) Dong Yeung KWAK6) Yu Ho JUNG2) Hu Sung KIM7) Was Charl FE	Name: LG.Philips LCD Co., Ltd.		
	3) Hu Sung KIM 4) Yong Wan KIM))))))))))	Internal Address:		
	Additional names of conveying party(ies) attached? []Yes [X]No	Street Address: 20 Yoido-dong, Youngdungpo-gu, Seoul, Korea		
	3. Nature of conveyance:	City: State: Zip:		
	[X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other [] Change of Name	Additional name(s) & address(es) attached?		
	Execution Date: 1) <u>August 30, 2001, 2) August 30,</u> 2001, 3) August 29, 2001, 4) August 29, 2001, 5) August 30, 2001, 6) August 30, 2001 and 7) September 5, 2001	[]Yes [X] No 10/17/2001 SZEWDIE1 00000041 09694674		
		04 FC:581 40.00 0P		
	4. New Application number(s) or patent number(s): 09 (894,874			
	If this document is being filed together with a new application	If this document is being filed together with a new application the execution date of the application is:		
	A. Patent Application No.(s)	B. Patent No.(s)		
	Additional numbers attached: [] Yes [] No			
	5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:		
	Name: Robert J. Gaybrick	 7. Total fee (37 C.F.R. §3.41): <u>\$40.00</u> [X] Enclosed [] Authorized to be charged to Deposit Account 50-0310 		
	Internal Address: Morgan, Lewis & Bockius LLP Customer No. 09629	 Deposit Account No. 50-0310 (Attach duplicate page if paying by deposit account) 		
	Street Address: 1800 M Street, N.W. City: Washington State: D.C. Zip: 20036			
	9. Statement and Signature To the best of my knowledge and belief, the foregoing information of the original document.	formation is true and correct and any attached copy is a true		
	Robert J. Goodell Reg. 41,040714 (J)Name of Person SigningSignatureTotal nuTotal nu	<u>October 15, 2001</u> Date Imber of pages including cover sheet, attachments and documents: 10		
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1-WA/1690264.1

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

PAD STRUCTUURE FOR LIQUID CRYSTAL DISPLAY AND METHOD OF MANUFACTURING THEREOF

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on _June_29, 2001_, (Serial No. _09/894,874_); and

WHEREAS, LG.Philips LCD Co., Ltd..., a corporation of Korea , whose post office address is 20. Yoido-dong, Youngdungpo-gu, Seoul, Korea (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issue upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. 09/894,874_, filed June 29, 2001_) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

FULL NAME OF SOLE OR FIRST INVENTOR	Soon Sung YOO	
RESIDENCE & CITIZENSHIP	Kyoungsangbuk-do Korea	COUNTRY OF CITIZENSHIP Republic of Korea
POST OFFICE ADDRESS	Shinsekye Apt., 401 Hyonggok-dong, Kumi-shi, Kyoungsangbuk-do, Kor	rea
FIRST OR SOLE INVENTOR'S SIGNATURE	Soon Sung YOO	DATE Aug. 30. 2001

Names of additional inventors attached [] Yes [X] No

Morgan, Lewis & Bockius LLP

1-WA/1629143.1

ATTORNEY DOCKET NO: 041501-5432 SOLE/JOINT INVENTION (U.S. Rights Only) Page 2

FULL NAME OF SECOND INVENTOR	Dong Yeung KWAK	
RESIDENCE & CITIZENSHIP	Daegu-shi Korea	COUNTRY OF CITIZENSHIP Republic of Korea
POST OFFICE ADDRESS	Green Mansion 103-1108, Songhyun 2-dong, Talso-gu, Daegu-shi, Korea	
SECOND INVENTOR'S SIGNATURE	Dong Yeung Ku'ak	DATE Ang. 20. Soul
FULL NAME OF THIRD INVENTOR	Hu Sung KIM	-
RESIDENCE & CITIZENSHIP	Seoul Korea	COUNTRY OF CITIZENSHIP Republic of Korea
POST OFFICE ADDRESS	5/5, 55-105, Sangwolgok-dong, Sungbuk-gu, Seoul, Korea	·····
THIRD INVENTOR'S SIGNATURE	Hu Sung Kim	DATE Aug. 30.2001
FULL NAME OF SOLE OR FIRST INVENTOR	Yong Wan KIM	
RESIDENCE & CITIZENSHIP	Kyoungsangbuk-do Korea	COUNTRY OF CITIZENSHIP Republic of Korea
POST OFFICE ADDRESS	Dongrakwon B-504, 401-3, Imsoo-dong, Kumi-shi, Kyoungsangbuk-do, Korea	
FOURTH INVENTOR'S SIGNATURE		DATE
FULL NAME OF SECOND INVENTOR	Dug Jin PARK	1
RESIDENCE & CITIZENSHIP	Daegu-shi Korea	COUNTRY OF CITIZENSHIP Republic of Korea
POST OFFICE ADDRESS	Hanra Apt., 104-601, Taejon-dong, Puk-gu, Daegu-shi, Korea	
FIFTH INVENTOR'S SIGNATURE	Dug Jon Park	DATE Aug 30.2001

Names of additional inventors attached [X] Yes [] No

FULL NAME OF THIRD	Yu Ho JUNG	
RESIDENCE & CITIZENSHIP	Kyoungsangbuk-do Korea	COUNTRY OF CITIZENSHIP Republic of Korea
POST OFFICE ADDRESS	Dongrakwon B-308, 401-3, Imsoo-dong, Kumi-shi, Kyoungsangbuk-do, Korea	
SIXTH INVENTOR'S SIGNATURE	Yu Ho Jung	DATE A蝦 30、~001
FULL NAME OF SOLE OR FIRST INVENTOR	Woo Chae LEE	
RESIDENCE & CITIZENSHIP	Seoul Korea	COUNTRY OF CITIZENSHIP Republic of Korea
POST OFFICE ADDRESS	Olympic Player Village Apt., 240-501, Pangi-dong, Songpa-gu, Seoul, Korea	
SEVENTH INVENTOR'S SIGNATURE		DATE
FULL NAME OF SECOND INVENTOR		
RESIDENCE & CITIZENSHIP		COUNTRY OF CITIZENSHIP
POST OFFICE ADDRESS		· · · · · · · · · · · · · · · · · · ·
EIGTH INVENTOR'S SIGNATURE		DATE

Morgan, Lewis & Bockius LLP

1-WA/1629143.1

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

PAD STRUCTUURE FOR LIQUID CRYSTAL DISPLAY AND METHOD OF MANUFACTURING THEREOF

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on <u>June 29, 2001</u>, (Serial No. <u>09/894,874</u>); and

WHEREAS, <u>LG.Philips LCD Co., Ltd.</u>, a corporation of <u>Korea</u>, whose post office address is <u>20 Yoido-dong</u>, <u>Youngdungpo-gu</u>, <u>Seoul</u>, <u>Korea</u> (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issue upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this upplication, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. <u>09/894,874</u>, filed <u>June 29, 2001</u>) the filing date and application number of said application when known.

FULL NAME OF SOLE OR FIRST INVENTOR	Soon Sung YOO	
RESIDENCE & CITIZENSHIP	Kyoungsangbuk-do Korea	COUNTRY OF CITIZENSHIP Republic of Korea
POST OFFICE ADDRESS	Shinsekye Apt., 401 Hyonggok-dong, Kumi-shi, Kyoungsangbuk-do, Korea	
FIRST OR SOLE INVENTOR'S SIGNATURE		DATE

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

Names of additional inventors attached [] Yes [X] No

Morgan, Lewis & Bockius LLP

FULL NAME OF SECOND INVENTOR	Dong Yeung KWAK	
RESIDENCE & CITIZENSHIP	Daegu-shi Korea	COUNTRY OF CITIZENSHIP Republic of Korea
POST OFFICE ADDRESS	Green Mansion 103-1108, Songhyun 2-dong, Talso-gu, Daegu-shi, Korea	
SECOND INVENTOR'S SIGNATURE		DATE
FULL NAME OF THIRD INVENTOR	Hu Sung KIM	
RESIDENCE & CITIZENSHIP	Seoul Korea	COUNTRY OF CITIZENSHIP Republic of Korea
POST OFFICE ADDRESS	5/5, 55-105, Sangwolgok-dong, Sungbuk-gu, Seoul, Korea	
THIRD INVENTOR'S SIGNATURE		DATE
FULL NAME OF SOLE OR FIRST INVENTOR	Yong Wan KIM	
RESIDENCE & CITIZENSHIP	Kyoungsangbuk-do Korea	COUNTRY OF CITIZENSHIP Republic of Korea
POST OFFICE ADDRESS	Dongrakwon B-504, 401-3, Imsoo-dong, Kumi-shi, Kyoungsangbuk-do, Korea	
FOURTH INVENTOR'S SIGNATURE	Rim Yong Wan	DATE 29. Aug, 2001
FULL NAME OF SECOND INVENTOR	Dug Jin PARK	
RESIDENCE & CITIZENSHIP	Daegu-shi Korea	COUNTRY OF CITIZENSHIP Republic of Korea
POST OFFICE ADDRESS	Hanra Apt., 104-601, Taejon-dong, Puk-gu, Daegu-shi, Korea	
FIFTH INVENTOR'S SIGNATURE		DATE

Names of additional inventors attached [X] Yes [] No

FULL NAME OF THIRD INVENTOR	Yu Ho JUNG	
RESIDENCE & CITIZENSHIP	Kyoungsangbuk-do Korea	COUNTRY OF CITIZENSHIP Republic of Korea
POST OFFICE ADDRESS	Dongrakwon B-308, 401-3, Imsoo-dong, Kumi-shi, Kyoungsangbuk-do, Korea	
SIXTH INVENTOR'S SIGNATURE		DATE
FULL NAME OF SOLE OR FIRST INVENTOR	Woo Chae LEE	
ESIDENCE & CITIZENSHIP	Seoul Korea	COUNTRY OF CITIZENSHIP Republic of Korea
POST OFFICE ADDRESS	Olympic Player Village Apt., 240-501, Pangi-dong, Songpa-gu, Seoul, Korea	
SEVENTH INVENTOR'S SIGNATURE		DATE
FULL NAME OF SECOND INVENTOR		
RESIDENCE & CITIZENSHIP		COUNTRY OF CITIZENSHIP
POST OFFICE DDRESS		· · · · · · · · · · · · · · · · · · ·
EIGTH INVENTOR'S SIGNATURE		DATE

Names of additional inventors attached [] Yes [X] No

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FULL NAME OF SOLE OR FIRST INVENTOR	Soon Sung YOO	
RESIDENCE & CITIZENSHIP	Kyoungsangbuk-do Korea	COUNTRY OF CITIZENSHIP Republic of Korea
POST OFFICE ADDRESS	Shinsekye Apt., 401 Hyonggok-dong, Kumi-shi, Kyoungsangbuk-do, Korea	
FIRST OR SOLE INVENTOR'S SIGNATURE		DATE

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

Names of additional inventors attached [] Yes [X] No

Morgan, Lewis & Bockius LLP

1-WA/1629143.1

ATTORNEY DOCKET NO: 041501-5432 SOLE/JOINT INVENTION (U.S. Rights Only) Page 2

FULL NAME OF SECOND INVENTOR	Dong Yeung KWAK	
RESIDENCE & CITIZENSHIP	Daegu-shi Korea	COUNTRY OF CITIZENSHIP Republic of Korea
POST OFFICE ADDRESS	Green Mansion 103-1108, Songhyun 2-dong, Talso-gu, Daegu-shi, Korea	
SECOND INVENTOR'S SIGNATURE		DATE
FULL NAME OF THIRD INVENTOR	Hu Sung KIM	
RESIDENCE & CITIZENSHIP	Seoul Korea	COUNTRY OF CITIZENSHIP Republic of Korea
POST OFFICE ADDRESS	5/5, 55-105, Sangwolgok-dong, Sungbuk-gu, Seoul, Korea	
THIRD INVENTOR'S SIGNATURE		DATE
FULL NAME OF SOLE OR FIRST INVENTOR	Yong Wan KIM	
RESIDENCE & CITIZENSHIP	Kyoungsangbuk-do Korea	COUNTRY OF CITIZENSHIP Republic of Korea
POST OFFICE ADDRESS	Dongrakwon B-504, 401-3, Imsoo-dong, Kumi-shi, Kyoungsangbuk-do, Korea	
FOURTH INVENTOR'S SIGNATURE		DATE
FULL NAME OF SECOND INVENTOR	Dug Jin PARK	
RESIDENCE & CITIZENSHIP	Daegu-shi Korea	COUNTRY OF CITIZENSHIP Republic of Korea
POST OFFICE ADDRESS	Hanra Apt., 104-601, Taejon-dong, Puk-gu, Daegu-shi, Korea	
FIFTH INVENTOR'S SIGNATURE		DATE

Names of additional inventors attached [X] Yes [] No

FULL NAME OF THIRD	Yu Ho JUNG	
RESIDENCE & CITIZENSHIP	Kyoungsangbuk-do Korea	COUNTRY OF CITIZENSHIP Republic of Korea
POST OFFICE ADDRESS	Dongrakwon B-308, 401-3, Imsoo-dong, Kumi-shi, Kyoungsangbuk-do, Korea	
SIXTH INVENTOR'S SIGNATURE		DATE
FULL NAME OF SOLE OR FIRST INVENTOR	Woo Chae LEE	
RESIDENCE & CITIZENSHIP	Seoul Korea	COUNTRY OF CITIZENSHIP Republic of Korea
POST OFFICE ADDRESS	Olympic Player Village Apt., 240-501, Pangi-dong, Songpa-gu, Seoul, Korea	
SEVENTH INVENTOR'S SIGNATURE	moschae lee	DATE Sep/05/200/
FULL NAME OF SECOND INVENTOR		-
RESIDENCE & CITIZENSHIP		COUNTRY OF CITIZENSHIP
POST OFFICE ADDRESS		r
EIGTH INVENTOR'S SIGNATURE		DATE

Morgan, Lewis & Bockius LLP

PATENT REEL: 012259 FRAME: 0801

RECORDED: 10/15/2001