	J.	.S		Ė	T	C)
1	1	/9	9	9	3	8	0
+	~	70	7	•	,,	7	

ATTORNEY DOCKET NO: AB-2513 US

12/04/2007			U.S. DEPARTMENT OF COMMERCE
12/3 //2007	12-1	3-2007	Γ PATENT AND TRADEMARK OFFICE
TO THE HONORABLE DIRECTOR OF THE UNIT ORIGINAL DOCUMENTS OR COPY THEREOF.	1034	68071	E. PLEASE RECORD THE ATTACHED
Name of conveying parties: (a) RHO, Soon-Joon		2A. Name and address	s of receiving party:
(c) JEON, Baek-Kyun (d) LEE, Hee-Keun (e) KIM, Jae-Chang (f) YOON, Tae-Hoon (g) SON, Phil-Kook (h) PARK, Jeung-Hun Additional name(s) of conveying party(ies) attached?	⊠ No		ELECTRONICS CO., LTD. -dong, Yeongtong-gu, Suwon-si, o, Korea
3. Nature of Conveyance:		2B. Name and address	s of receiving party:
Assignment Merger Security Agreement Change of Name Other		Name: PUSAN NAT INDUSTRY-L Address: Pusan Nation	IONAL UNIVERSITY THE JNIVERSITY COOPERATION FOUNDATION nal University the Industry-University Foundation, Pusan National University,
Execution Date: November 30, 2007	-	Additional name(s) of r	receiving party(ies) attached?
A. Patent Application No.(s) Title: LIQUID CRYSTAL DISPLAY PANEL AND MANUFACTURING METHOD THEREOF	appinosiuii, iii	B. Patent No.(s)	Application is. November 50, 2007
	Additional numb	bers attached?	Yes No
Name and address of party to whom correspondence concerning document should be mailed:		6. Total number of ap	oplications and patents involved: One (1)
Name: Anthony G. Dervan			
Internal Address: MACPHERSON, KWOK CHEN & HEII	DLLP		
Street Address: 2033 Gateway Place, Suite 400 City San Jose State CA Zip 95110		Charge Dep	3.41): \$40.00 to be charged to Deposit Account No. 50-2257. posit Account No. 50-2257 for any additional fees this conveyance and credit Deposit Account 7 any amounts overpaid
	DO NOT USE	THIS SPACE	
8. Statement and signature. To the best of my knowledge and belief, the foreg document. Hugh H. Matsubayashi, Reg. No. 43,779	noing information	on is true and correct and 01 FC:8	Dec 4,2007
Name of Person Signing		Signature Tota	Date al number of pages comprising cover sheet: 1

EXPRESS MAIL LABEL NO. EM 147 060 089 US

REEL: 020250 FRAME: 0155

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we,

Soon-Joon RHO	of	105-1203, Neulpureun Byoksan Apt., Mangpodong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea
Jang-Sub KIM	of	705-402, Seokwang Apt., Salgugol 7-danji Apt., Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea
Baek-Kyun JEON	of	515-403, Samsung 5-cha Apt., #1168 Poongdukchun-dong, Yongin-si, Gyeonggi-do, Korea
Hee-Keun LEE	of	203-609, Woncheon Seongil Apt., Maetan 2-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea
Jae-Chang KIM	of	Allak 2-dong, Dongnae-gu, Busan, Korea
Tae-Hoon YOON	of	104-1401, Shinsung Apt., Jwa-dong, Haeundaegu, Busan, Korea
Phil-Kook SON	of	102-305, Hyundai Apt., Millak-dong, Suyeong- gu, Busan, Korea
Jeung-Hun PARK	of	#122 Naein-ri, Sanin-myeon, Haman-gun, Gyeongsangnam-do, Korea

hereby sell, assign and transfer to (1)Samsung Electronics Co., Ltd., A corporation, having a place of business at #416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea, and (2)Pusan National University the Industry-University Cooperation Foundation., having a place of business at Pusan National University the Industry-University Cooperation Foundation, Pusan Natioal University, Busan 609-735, Korea its successors and assigns, the entire right, title and interest throughout the world in my invention in

LIQUID CRYSTAL DISPLAY PANEL AND MANUFACTURING METHOD THEREOF

for which I have executed a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; I authorize the above-named assignee to apply

-Page 1 of 4-

for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from me; I agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, its successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and I request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this $\frac{\cancel{50}}{\cancel{0}}$ day of	November	, 2007.	
· ·	- Good	n Joan	Rho
·	S	oon-Joon RHO	
WITNESSED:			
Signature			
Date	-		
Type or print name of witness			
		•	
Executed this 30 day of	November	, 2007.	
	Jane	s Sub	KIM
·	•	Jang-Sub KIM	
WITNESSED:			
Signature			
Date			
Type or print name of witness			

Executed this day of _	November, 2007.
_	November, 2007. bask let m Jeon
	Baek-Kyun JEON
WITNESSED:	
Signature_	
Date	
Type or print name of witness	
Executed this 30 day of	November, 2007. Lee Hee Keun
	Hee-Keun LEE
aumidaed.	
WITNESSED:	
Signature	
Date	
Type or print name of witness	
•	
Executed this day of _	, 2007.
	Jae-Chang KIM
WITNESSED:	
Signature	
Date	
Type or print name of witness	•

Executed this day of	, 2007.
_	Tae-Hoon YOON
WITNESSED:	
Signature	.
Date	
Type or print name of witness	
Executed this day of	, 2007.
	Phil-Kook SON
WITNESSED:	
Signature	
Date	
Type or print name of witness	
Executed this day of	, 2007.
_	Jeung-Hun PARK
WITNESSED:	
Signature	
Date	
Type or print name of witness	

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we,

Soon-Joon RHO	of	105-1203, Nculpurcun Byoksan Apt., Mangpodong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korca
Jang-Sub KIM	of	705-402, Scokwang Apt., Salgugol 7-danji Apt., Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korca
Back-Kyun JEON	of	515-403, Samsung 5-cha Apt., #1168 Poongdukchun-dong, Yongin-si, Gyeonggi-do, Korea
Hee-Keun LEE	of	203-609, Wonchcon Scongil Apt., Maetan 2- dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea
Jae-Chang KIM	of	Allak 2-dong, Dongnae-gu, Busan, Korca
Tae-Hoon YOON	of	104-1401, Shinsung Apt., Jwa-dong, Haeundae- gu, Busan, Korea
Phil-Kook SON	of	102-305, Hyundai Apt., Millak-dong, Suyeong- gu, Busan, Korea
Jeung-Hun PARK	of	#122 Naciu-ri, Sanin-myeon, Haman-gun, Gyeongsangnam-do, Korea

hereby sell, assign and transfer to (1)Samsung Electronics Co., Ltd., A corporation, having a place of business at #416, Mactan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea, and (2)Pusan National University the Industry-University Cooperation Foundation., having a place of business at Pusan National University the Industry-University Cooperation Foundation, Pusan Natioal University, Busan 609-735, Korea its successors and assigns, the entire right, title and interest throughout the world in my invention in

LIQUID CRYSTAL DISPLAY PANEL AND MANUFACTURING METHOD THEREOF

for which I have executed a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; I authorize the above-named assignee to apply

-Page 1 of 4-

PATENT REEL: 020250 FRAME: 0160

for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from me; I agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, its successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and I request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this day of	, 2007.		
	Soon-Joon RHO		
WITNESSED:			
Signature			
Date			
Type or print name of witness	 .		
Executed this day of	, 2007.		
	Jang-Sub KIM		
WITNESSED:	·		
Signature	.		
Date			

Type or print name of witness

Executed this	day of	, 2007.
		Back-Kyun JEON
WITNESSED:		
Signature		
Date		
Type or print name of w	itness	
Executed this	day of	, 2007.
	_	Hee-Keun LEE
WITNESSED:		
Signature		
Date		
Type or print name of w		·
Executed this	60 day of <i>Moves</i>	Jac-Chang KIM
WITNESSED:		
Signature		
Date		
Type or print name of w	itness	

REEL: 020250 FRAME: 0162

Executed this 30 day of	November , 2007.
	Tae-Moon YOON
WITNESSED:	
Signature	
Date	
Typo or print name of witness	
Executed this 30 day of	November, 2007. Bhil-Kook SON
WITNESSED:	
Signature	
Date	
Type or print name of witness	
Executed this <u>SD</u> day of	November 2007.
WITNESSED:	Jeung-Hun PARK
Signature	
Date	
Type or print name of witness	

-Page 4 of 4-

PATENT REEL: 020250 FRAME: 0163

RECORDED: 12/04/2007