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Yong-jun KIM, Dong-sik SHIM, Sang-goog LEE	SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do, Republic of Korea				
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4. Application number(s) or patent number(s):					
If this document is being filed together with a new application	n, the execution date of the application	is: March 13, 2001			
A. Patent Application No.(s)/Confirmation No.(s) 09/751,844 /9284	B. Patent No.(s)				
Additional numbers attach	ned? Yes No				
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and 1	registration involved:			
SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC	7. Total Fee (37 CFR 3.41): \$40.00				
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ASSIGNMENT

Whereas, I/We, Yong-jun Kim, Dong-sik Shim and Sang-goog Lee of 102-1801 Cheongsolmaeul Youngnam Apt., 177 Keumgok-dong, Pundang-gu, Seongnam-city Kyungki-do, Rep. of Korea: (101) 637-25 Jayang 2-dong, Kwangjin-gu, Seoul, Rep. of Korea and 503-104 Seongil Apt., 538 Yeonsu-dong, Yeonsu-gu, Incheon Metropolitan-city, Rep. of Korea hereinafter called assignor(s), have invented certain improvements in

CIR	RCUIT BOARD AND METHOD	OF MANUFACTURING THE	REFOR	
and	executed an application f		Inited States of America the	refor on
		13 March	2001; and	
	ngki-do, Republic of Ke	orea (assignee), desires t	TD. of 416, Maetan-dong, Post of acquire the entire right, the ents to be obtained therefor;	itle and interest in the
	Now therefore, for val	uable consideration, rece	ipt whereof is hereby acknow	wledged,
there: I/we in the consider	iccessors and assigns, the in for the United States of request the Commissione e application to the assigns.	entire right, title and into America, including the r of Patents to issue any gnee, its successors and d necessary by the assign	assign and transfer to the a crest in the application and tright to claim priority under Letters Patent granted upon assigns; and I/we will exee in connection with the Un	he invention disclosed 35 U.S.C. § 119, and the invention set forth ecute without further
(Appl	C of 2100 Pennsylvania A	venue, N.W., Washington 1,844 , filed 2	SUGHRUE, MION, ZINN, Ion, D.C. 20037-3213 to inset January 2001) the filing	rt here in parentheses
Date:	13 March 2001	s/ Yon	g-jun Kim	
Date:	13 March 2001	s!Don	g-jun Kim Dong Sk Shim g-sik Shim	

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261) 8/92

13 March 2001

Date:

PATENT
RECORDED: 04/06/2001 REEL: 011678 FRAME: 0313

s/ Sanj-Goog LEE
Sang-goog Lee