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U.S. DEPARTMENT OF COMME Patent and Trademark Off

		837910 Attorney's Docket No. 031995				
	To the Honorable Commissioner of Patents and Trademarks.	Please record the attached original documents or copy thereof.				
1.	Name of conveying party(ies):	2. Name and address of receiving party(ies):				
	Jong-chul GO, Ki-bum KIM and Song-woo CHEON	Name: SAMSUNG ELECTRONICS CO., LTD.				
Add	itional name(s) of conveying party(ies) attached? [] Yes [X] No	Address: 416, Maetan-dong,				
3.	Nature of conveyance:	Paldal-gu,				
	[X] Assignment [] Merger [] Change of Name	Suwon City, Kyungki-do, KOREA				
	Other:					
Exe	ecution Date: 9/7/98; 9/7/98; & 9/7/98, respectively	Additional name(s) & address(es) attached? [] Yes [X] No				
	Application number(s) or patent number(s): If this document is being filed together with a new application, the A. Patent Application No.(s)	e execution date of the application is: <u>September 7, 1998</u> B. Patent No.(s)				
Additional numbers attached? [] Yes [X] No						
5.	Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1				
	Name: NORMAN H. STEPNO	7. Total fee (37 CFR 3.41): \$40.00				
	Address: Burns, Doane, Swecker & Mathis, L.L.P.	[X] Enclosed				
	P.O. Box 1404	[] Authorized to be charged to deposit account, if necessary				
	Alexandria, Virginia 22313-1404	8. Deposit account number:				
		_02-4800				
DO NOT USE THIS SPACE						
9.	Statement and signature. To the hest of my knowledge and belief, the foregoing information is true of NORMAN H. STEPNO Name of Person Signing	Signature Total number of pages including cover sheet, attachments, and document: 3				

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 20231

(10/97)

REEL: 9462 FRAME: 0735

ASSIGNMENT

(JOINT)

THIS ASSIGNMENT, by (1) Jong-chul GO	,(2) Ki-bum KIM
, (3) Song-woo CHEON , (4)	
(5) , and (6)	, residing at
(1) Suwon-city, Kyungki-do, Korea	
(2) Suwon-city, kyungki-do, Korea	
(3) Suwon-city, Kyungki-do, Korea	
(4)	
(5)	
(6)	•
(hereinafter referred to as "the Assignors"), respectively, witnesseth:	
set forth in an application for Letters Patent of the United States, [x application to be filed herewith; [] which is a non-provisional application executed on even date herewith prior to filing of application No and filed on September 15, 1998 ; and ; and and ; and and ; and	ation having an oath or ; [] bearing Application
WHEREAS, Samsung Electronics Co., Ltd.	
a corporation duly organized under and pursuant to the laws of Khaving its principal place of business at 416, Maetan-dong, Palda Kyungki-do, Korea	orea and l-gu, Suwon-city,
(hereinafter referred to as "the Assignee"), is desirous of acquiring the enti in and to said inventions, the right to file applications on said inventions and interest in and to any applications, including provisional applications. United States or other countries claiming priority to said application, at Patent or Patents, United States or foreign, to be obtained therefor and the said application are said applications.	and the entire right, title for Letters Patent of the nd in and to any Letters

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

Page 1 of 2

(6/97)

PATENT REEL: 9462 FRAME: 0736 AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of Burns, Doane, Swecker & Mathis, L.L.P. of Alexandria, Virginia, to insert in the spaces provided above the filing date, application number, and attorney docket number of said application when known.

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date .	Sep. 7. 98	Signature of Assignor	Jong-chul GO
Date	Sep. 7.98	Signature of Assignor	K;-bum KIM Ki-bum KIM
Date	98.9.7	Signature of Assignor	SONG-WOO CHEON
Date		Signature of Assignor	Song-woo CHEON
Date		Signature of Assignor	
Date		Signature of Assignor	