FORM PTO-1595 SHEET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office 101909063 To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party: 2. Name and address of receiving party(ies): Wan-Sub LEE Samsung Electronics Co., Ltd., Additional name(s) of conveying party(ies) attached? □Yes ■ No a corporation organized under the laws of the Republic of Korea, 416, Maetan-3dong, Paldal-ku, Suwon-city, Kyungki-do 3. Nature of conveyance Republic of KOREA ■ Assignment □ Merger ☐ Security Agreement ☐ Change of Name Additional name(s) & addresses attached? □ Yes ■No □ O'ther Execution Date: 13 November 2001 4. Application number(s) or Patent number(s): If this document is being filed together with a new application, the execution of the application is: 30 November 2001 B. Patent No.(s) A. Patent Application No.(s) To Be Assigned Additional number(s) attached? □ Yes ■ No 5. Name and address of party to whom correspondence concerning 6. Total Number of applications and patents involved: ONE document should be mailed: Robert E. Bushnell Name: Enclosed Attorney at Law Suite 300, 1522 "K" Street, N.W. □ Authorized to be charged to deposit account Washington, D.C. 20005 8. Deposit Account Number: (202) 408-9040 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. Statement and Signature. 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. 30 November 2001 Robert E. BUSHNELL Name of Person Signing Total number of pages comprising cover sheet: OMB No. 0651-0011 (exp. 4/94) Do not detach this portion Mail documents to be recorded with the required cover sheet information to: Commissioner of Patents and Trademarks **Box Assignments** Washington, D.C. 20231

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ASSIGNMENT

DOCKET No. P56588

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that: INCONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt of which from the hereinafter named Assignee is hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

ASSIGNEE: SAMSUNG ELECTRONICS CO., LTD.,

a corporation organized under the laws of the Republic of Korea,

ADDRESS:

416, Maetan-3dong Paldal-ku, Suwon-city, Kyungki-do Republic of KOREA,

Who is my Assignee, and to the successors and assigns of my Assignee, all my right, title and interest, in and for the United States of America and all other countries, including all rights of priority, in and to the invention entitled:

an other countries, including an rights of priority, in and to the invention chities.				
			n one inventor is named below) and d	scribed in an application for a United States patent more particularly identified as:
	executed on even date herewith, or			
	Serial No.			, or
	executed on			
and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations, continuations-in-part, reissued and re-examined patents, and to any extensions thereof, said interest being the entire ownership of the patent when granted, to be held and enjoyed by said SAMSUNG ELECTRONICS CO., LTD., my Assignee, its successors, assigns or other legal representatives, to the full end of the term, terms, or any extension or renewal thereof, for which said patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment, sale and conveyance had not been made;				
AND I hereby covenant and agree to sign and execute, without receiving any money or other consideration, any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the above-named application or in the preparation and prosecution of all substitute applications, certificate of correction, division, continuation, continuation-in-part, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreement or treaty to which the United States of America adheres;				
AND I do hereby authorize and request the Commissioner of Patent & Trademarks to issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and authorize and request R. E. Bushnell, Reg. No. 27,774, to insert on this Assignment any further identification or to complete such identification which may be either necessary or desirable in order to comply the rules of the United States Patent & Trademark Office for recordation of this document.				
	IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:			
	INVENTOR(s)	_	<u>Date Signed</u>	Witness(es)
1) 🕽	Wan-Sub LEE	(Seal)	V13, NOV. 2001	Jae-Oh LEE
2) _		_(Seal)		
3) _		_(Seal)	-	
4) _		_(Seal)		
Additional inventors are being named on separately numbered sheets attached hereto.				

д 4/10/1996 R E.Bushnell

RECORDED: 11/30/2001

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