Form PTO-1595 1-31-92	10-20-1998 PARTMENT OF COMMERCE and Trademark Office	
Q50561 6 R		
To the Honorable Commissioner of Pattors and Trace	100856807 inal documents or copy thereof.	
Name of conveying party(ies):     Yoon-seop EOM	2. Name and address of receiving party(ies)? Name:	
Additional name(s) of conveying party(ies) attached? yesx no	SAMSUNG ELECTRONICS CO., LTD. Internal Address: 416, Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do, Republic of Korea Street Address:	
3. Nature of Conveyance:	Same as above City State Zip	
Assignment Merger  Security Agreement Change of Name	Additional name(s) & address(es) attached?	
Other	yesx no	
Execution Date: August 1, 1998	10.09.98	
4. Application number(s) or patent number(s):		
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).	
09/121,854		
Additional numbers a	ttached? Yesx No	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: One (1)	
SUGHRUE, MION, ZINN, MACPEAK & SEAS		
2100 Pennsylvania Avenue, N.W. Suite 800 Washington, D.C. 20037-3202	7. Total Fee (37 CFR 3.41): \$	
	connection with this Assignment to Deposit Account No. 19-4880.	
1	Authorized to be charged to Deposit Account	
	8. Deposit Account No.	
/1998 GPAYNE 00000026 09121854	(Attach dupl. copy of this page if paying by Deposit Account)	
:581 40.00 0P DO NOT UR	ITE IN 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.		
Mari	October 9, 1998	
Name Darryl/Mexic Reg. No. 23,063 TOTAL NUMBER OF	Date - PAGES INCLUDING COVER SHEET, ATTACHMENTS AND DOCUMENT: 2	
OMB No. 0651-0011 (exp. 4/94)		
Do not detach this portion		
Mail documents to be recorded with required cover sheet information to:		
Commissioner of Patents and Trademarks Box Assignments		
Weshington, D.C. 20231		

PATENT REEL: 9512 FRAME: 0643

## ASSIGNMENT

Whereas I/We. Yoon-seop EOM residing of 106-1403, Dongshin Apt., Jungja-dong, Jangan-gu, Suwon-city, Kyugnki-do, Republic of Korea

hereinafter called assignor(s), have invented certain improvements in

APPARATUS FOR DETECTING AMOUNT OF PAPER REMAINING IN PAPER CASSETTE OF PRINTER and executed an application for Letters Patent of the United States of America therefor on

August 1, 1998 ; and

Whereas, Samsung Electronics Co., Ltd. of 416, Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do, Republic of Korea

(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor:

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged, I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without any further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We authorize and request my/our attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application number  $\frac{09/121,854}{}$ , filed  $\frac{\text{July 24, 1998}}{}$ ) the filing date and application number of said application when known.

Date: August 1,	199 <b>8</b> /	ON ALTIV	
		Yoon-seop EOM	
Date:	s/		
Date:	s/		
Date:	s/		
Date:	s/		
			_
Date:	s/		
			_

0. 11

(Notarization not required for recording but is prima facile evidence of execution under 35 U.S.C. §261)

S 92

**RECORDED: 10/09/1998** 

PATENT REEL: 9512 FRAME: 0644