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To the Honorable Commissioner of Patents and Trademarks.	Please record the attached original documents or copy there
 Name of conveying party(ies): Hwan-young CHOI, Won-hyung LEE, Sung-min CHO, Moon-gyu LEE, Jee-hong MIN, Young-il KIM, Jin-seung CHOI and Jae-yong EUM 	2. Name and address of receiving party(ies)? Name: SAMSUNG ELECTRONICS CO., LTD. Internal Address: 416, Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do, Repub
Additional name(s) of conveying party(ies) attached? yesx no	of Korea Street Address: Same as above
3. Nature of Conveyance:	City State Zip
x Assignment Merger	Additional name(s) & address(es) attached? yesx no
Security Agreement Change of Name	
Other	
Execution Date: November 18, 1999	
4. Application number(s) or patent number(s):	
If this document is being filed together with a new applic	cation, the execution date of the application is:
A. Patent Application No.(s)	B. Patent No(s).
09/427,073	
Additional numbers at	tached? 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): \$ 40.00 x Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880. Authorized to be charged to Deposit Account
	8. Deposit Account No.
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DO NOT WRI	TE IN THIS SPACE
9. Statement and Signature.	
To the best of my knowledge and belief, the foregoing info copy of the original document. Name Darry Mexic Reg. No. 23,063	January 11, 2000 Date
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Commissioner of	Patents and Trademarks
2000 DNGUYEN 00000258 09427973 Box A	lssignments

PATENT REEL: 010522 FRAME: 0484

ASSIGNMENT

Whereas, I/We, Hwan-young Choi, Won-hyung Lee, Sung-min Cho,
Moon-gyu Lee, Jee-hong Min of
901-105 Mockryeon Apt., 1053-3 Hogye-dong, Dongan-gu, Anyang-city, Kyungki-do,
Rep. of Korea; 73-1006 Hyundae Apt., 456 Apgujung-dong, Kangnam-gu, Seoul,
Rep. of Korea; 106-906 Dongsung Apt., 817 Banghwa-dong, Kangseo-gu, Seoul,
Rep. of Korea; 206-102 Jugong Apt., 1054-3 Youngtong-dong, Paldal-gu, Suwoncity, Kyungki-do, Rep. of Korea; 203-604 Pyucksan Apt., 941 Jukjeon-ri, Sujieup, Yongin-city, Kyungki-do, Rep. of Korea;
hereinafter called assignor(s), have invented certain in provements in

MULTI-LASER SCANNING UNIT

and executed an application for Letters Patent of the United States of America therefor on

18 November 1999 ; 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 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 hereby authorize and request my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application number 09/427,073, filed26 October 1999) the filing date and application number of said application when known.

Date: 18 November 1999

S/ Manangaung Chui
Hwan-young Choi

Date: 18 November 1999

S/ Won-hyung dee

Won-hyung dee

S/ Sung-min Cho

Date: 18 November 1999

Date: 18 November 1999

S/ Min Jee Hong

Jee-hong Min

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

8/92

PATENT REEL: 010522 FRAME: 0485

ASSIGNMENT

Whereas, I/We, Young-il Kim, Jin-seung Choi and Jae-yong Eum of 304-1503 Pyucksan Apt., 941 Jukjeon-ri, Suji-eup, Yongin-city, Kyungki-do, Rep. of Korea; 305-901 Jugong, Apt., 646 Hwaseo 2-dong, Jangan-gu, Suwon-city, Kyungki-do, Rep. of Korea and 506-1203 Jugong Apt., 964-5 Youngtong-dong, Paldal-gu, Suwon-city, Kyungki-do, Rep. of Korea

hereinafter called assignor(s), have invented certain improvements in MULTI-LASER SCANNING UNIT

and executed an application for Letters Patent of the United States of America therefor on

18 November 1999; 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 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 hereby authorize and request my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application number 09/427,073, filed 26 October 1999) the filing date and application number of said application when known.

Date: 18 November 1999	s/ Num (1) Kim
Date: 18 November 1999	Young-il Kim s/ Jin-seung Choi
Date: 18 November 1999	S/ Jae Yong Eum Jae-yong Eum
Date:	s/
Date:	s/

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

8/92

PATENT |REEL: 010522 FRAME: 0486

RECORDED: 01/11/2000