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FORM PTO-1595 (Rev. 6-93) RECORDA	09-13-2000 U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
To the Honorable Commissioner of Patents and	101454707 ginal documents or copy thereof.
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
1. Name of conveying party(ies): MD Seong-Ho Kim J/6.00 Sung-jin Kim J/6.00	Name: Company Flootetring Co. 144
Sung-jin Kim g / 10	Samsung Electronics, Co., Ltd.
nac-Jeong Lee	Internal Address:
Additional name(s) of conveying party(ies) attached?	No
3. Nature of conveyance:	Street Address: 416, Maetan-dong, Paldal-gu,
	Suwon-city, Kyungki-do, Republic of Korea
🛛 Assignment 🗆 Merger	
□ Security Agreement □ Change of N	lame City: State ZIP
□ Other	
Execution Date: August 14, August 14, and July 31, 2	2000 Additional name(s) & address attached? 🔲 Yes 🖾 No
4. Application number(s) or patent number(s):	
If this document is being filed together with a new application,	
A. Patent Application No.(s)	B. Patent No.(s)
ACLUZO	Starbady II Van 57 No
07 639 833 Additional numbers a	
5. Name and address of party to whom correspondence concern document should be mailed:	ning 6. Total number of applications and registrations 1
Name: Steven M. Mills	
	7. Total fee (37 CFR 3.41) <u>\$40.00</u>
Internal Address:	⊠ Enclosed
Samuels, Gauther & Slevens LLP	☐ Authorized to be charged to deposit account
	8. Deposit Account Number:
Street Address: 225 Franklin Street, Suite 3300	
City: Boston State MA ZIP 0	2110 (Attach duplicate copy of this page if paying by deposit account)
DO NOT USE THIS SPACE	
9. Statement and signature:	tion is true and correct and any attached copy is a true copy of the
original document.	
Steven M. Mills	
Reg.No. 36,610	Security Mulls Quent 16.2000
Name of Person Signing	Signature () Date
Total number of pages including cover shee	et, attachments, and document <u>3</u>
A1 FF: 581 40.00 00	
Mail documents to be recorded with required cover sheet information to: Complissioner of Patents and Trademarks, Box Assignments	
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PATENT REEL: 011050 FRAME: 0151

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Docket No.: SAM-106

ASSIGNMENT

We, Scong-ho Kim of San 7-1, Nongseo-ri, Kiheung-cub, Yongin-city, Kyungki-do, Republic of Korea, Sung-jin Kim of 101-1006, Suji 1-cha Kilhoon Apt., Jukjeon-ri, Suji-cub, Yongin-city, Kyungkido, Republic of Korea and Hea-jeong Lee of 222-705, Pyucksan Apt., Hwanggol Macul, Youngtongdung, Paldal-gu, Suwon-city, Kyungki-do, Republic of Korea, having invented improvements in ELECTRON BEAM IRRADIATING APPARATUS HAVING CATHODE PLATE FORMED OF NON-METAL CONDUCTIVE MATERIAL described in an application for Letters Patent of the United States, executed by us on even date herewith, for good and valuable consideration, receipt of which is hereby acknowledged from Samsung Electronics Co., Ltd., a Korean corporation having a place of business at 416, Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do, Republic of Korea (and hereinafter called the Assignce, which term shall include its successors and assigns), do hereby sell, assign and transfer unto the Assignce our entire right, title, and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto, in and to and under said application (which term shall include hereinafter where the context so admits all divisional, continuing, reissue and other patent applications based thereon) and the inventions (which term shall include each and every such invention, or part thereof) therein described, and any and all patents and like rights of exclusion (including extensions thereof) of any country which may be granted on or for said inventions or on said

And for the same consideration We do also hereby soll, assign, and transfer unto the Assignee, all our rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, and all other treaties of like purpose in respect of said inventions and said application, and We do bereby authorize the Assignee to apply in our name or its own name or its dusignee for patents and like rights of exclusion on or for said inventions in all countries, claiming (if the Assignce so desires) the priority of the filing date of said application under the provisions of said Convention, Treaty or any such other Convention or Treaty;

And for the same consideration, We do hereby agree for ourselves and for our heirs, executors, and administrators, promptly upon request of the Assignee to execute and deliver without further compensation any power of attorney, assignment, original, divisional, continuing, reissue or other application or applications for patent or patents or like rights of exclusion of any country, or other lawful documents and any further assurances that may be deemed necessary or desirable by the Assignce, fully to secure to it said right, title, and interest as aforesaid in and to said inventions, applications, and said several patents and like rights of exclusion (including extensions thereof) or any of them, all, however, at the expense of the Assignce, its successors, or assigns;

And We do hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and the corresponding Official of each country foreign thereto to issue to the Assignce, any and all patents and like rights of exclusion which may be granted in any country upon said United States application on or for said inventions:

And We do hereby covenant for ourselves and our legal representatives and agree with the Assignee, that We have granted no right or license to make, use, or sell said inventions to anyone except the Assignee, that prior to the execution of this deed our right, title, and loterest in and to said inventions has not been otherwise encumbered by us, and that We have not executed and will not execute any instruments in conflict herewith.

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ON-TO NED LKOW: SHARING

PATENT REEL: 011050 FRAME: 0152 First or Sole Inventor:

Signature:

Sawing - ho kim Scong-ho Kim

Date: Aug. 14 2000

Second Joint Inventor:

Signaturic:

Sung-jin Kim

Date: Aug. 14. 2000

Third Joint Inventor:

Signature:

Hawjoong Lee

Date: July-31, 2000

DIDCKET NO. SAM-106 K Vermining'i UGuassigninent. upd

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PATENT REEL: 011050 FRAME: 0153

RECORDED: 08/16/2000