

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Gun HEO</td> <td>05/03/2010</td> </tr> <tr> <td>Karp-sik YOUN</td> <td>05/03/2010</td> </tr> <tr> <td>Young-su LEE</td> <td>05/03/2010</td> </tr> <tr> <td>Youn-gun JUNG</td> <td>05/03/2010</td> </tr> </tbody> </table>		Name	Execution Date	Gun HEO	05/03/2010	Karp-sik YOUN	05/03/2010	Young-su LEE	05/03/2010	Youn-gun JUNG	05/03/2010
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>SAMSUNG Electronics Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>416 Maetan-dong, Yeongtong-gu</td> </tr> <tr> <td>City:</td> <td>Suwon-si, Gyeonggi-do</td> </tr> <tr> <td>State/Country:</td> <td>REPUBLIC OF KOREA</td> </tr> </table>		Name:	SAMSUNG Electronics Co., Ltd.	Street Address:	416 Maetan-dong, Yeongtong-gu	City:	Suwon-si, Gyeonggi-do	State/Country:	REPUBLIC OF KOREA		
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Application Number:	12785738										
CORRESPONDENCE DATA											
<p>Fax Number: (202)775-1901 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202-775-1900 Email: patent@snkiplaw.com</p> <p>Correspondent Name: STANZIONE & KIM, LLP Address Line 1: 919 18TH STREET, N.W. Address Line 2: SUITE 440 Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20006</p>											
ATTORNEY DOCKET NUMBER:	104-1511										
NAME OF SUBMITTER:	Patrick J. Stanzione										
Total Attachments: 1 source=Assignment#page 1.tif											

CH \$40.00 12785738

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PATENT
 REEL: 024429 FRAME: 0615

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned Inventor(s) (hereinafter, "ASSIGNOR") by
(insert Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG Electronics Co., Ltd.
416 Maetan-dong, Yeongtong-gu
Suwon-si, Gyeonggi-do
Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

**SCRAPPING UNIT AND IMAGE FORMING APPARATUS HAVING THE SAME,
AND CLEANING METHODS THEREOF**

relating to International Patent Application PCT _____ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on _____; (Insert date of execution of application, if not concurrent)

(b) filed on _____

Serial No. _____/_____;

*** Any registered attorney of Stanzione & Kim, LLP, 919 18th Street, N.W., Washington, D.C. 20006, is hereby authorized to insert in section (b) above the specified data, when known.***

and to said application and all Letters patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

1) _____ Gun - HEO Gun HEO	_____ May 3, 2010
2) _____ Karp-sik YOUN Karp-sik YOUN	_____ May 3, 2010
3) _____ Young-su LEE Young-su LEE	_____ May 3, 2010
4) _____ Young-Gun JUNG Youn-gun JUNG	_____ May 3, 2010

PATENT

RECORDED: 05/24/2010

REEL: 024429 FRAME: 0616