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PATENTS ONLY

FORM PTO-1595

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2001 Staas & Halsey LLP

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party:

Min-seon KIM

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2. Name and Address of receiving party:

SAMSUNG ELECTRONICS CO., LTD.
416 Maetan-dong, Paldal-gu
Suwon City, Gyunggi-do
Republic of Korea

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other: _____

Execution Date(s): July 14, 2003

4. Application number(s) or patent number(s):

This document is being filed together with a new application:

(a) The execution date(s) of the application is/are: July 14, 2003

(b) The title is: CONSUMABLE PRODUCT UNIT, CONSUMABLE PRODUCT REPLACEMENT SENSING SYSTEM AND METHOD THEREOF

10619214

OR

This document is being filed after filing of the application:

(a) Patent Application No(s). _____ / _____, filed _____; or

(b) Patent No(s). _____, issued _____

5. Name and address of party to whom correspondence concerning document should be mailed:

STAAS & HALSEY LLP
Attention: Gene M. Garner II
1201 New York Ave., N.W., Suite 700
Washington, D.C. 20005

Our Docket: 1349.1270

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)..... (\$ 40.00 per Assignment)

Enclosed
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8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)
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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.

Gene M. Garner II, Reg. No. 34,172
Name of Person Signing

Signature

July 15, 2003
Date

Total number of pages including cover sheet: 2

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U.S. ASSIGNMENT

USPTO 1/01

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, Paldal-gu
Suwon City, Gyunggi-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 in the invention entitled

CONSUMABLE PRODUCT UNIT, CONSUMABLE PRODUCT REPLACEMENT SENSING SYSTEM AND METHOD THEREOF

relating to International Patent Application PCT/KR/_____/_____, 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 STARR & HALSEY LLP, 700 Eleventh Street, N.W., Washington, D.C. 20001 (202)434-1500 is hereby authorized to insert in (b) the specified date, when known

and in said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitution, reissue or reexamination application issued 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 agrees(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) (Typed Name & Signature of Witness(es))

1) <u>Min Seok Kim</u>	<u>July 14, 2003</u>	<u>Eun-Ji LEE</u>
Min Seok KIM		Eun-Ji LEE
2) _____	_____	_____
3) _____	_____	_____
4) _____	_____	_____
5) _____	_____	_____
6) _____	_____	_____
7) _____	_____	_____