

04-14-2004

FORM PTO-1595

RECORDAT

S. DEPARTMENT OF COMMERCE

2001 Staas &amp; Halsey LLP

PATENT UNIT 102721447

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

1. Name of conveying party(ies):

Hyoung-ki LEE  
 Sun-gi HONG  
 Seok-won BANG  
 Il-hwan KIM  
 Ki-wan CHOI

2. Name and Address of receiving party(ies):

SAMSUNG ELECTRONICS CO., LTD.  
 416, Maetan-Dong, Yeongtong-gu,  
 Suwon-si, Gyeonggi-do, Republic of Korea

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other: \_\_\_\_\_

Execution Date(s): April 8, 2004

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: April 8, 2004(b) The title is: METHOD AND APPARATUS FOR GENERATING AND TRACING CLEANING TRAJECTORY OF HOME CLEANING ROBOT

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: Michael D. Stein  
 1201 New York Ave., N.W., Suite 700  
 Washington, D.C. 20005

Our Docket: 1793.12546. Total number of applications and patents involved: 1

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

☒ Enclosed  
☐ Authorized to be charged to deposit account.

8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)  
 (Attach duplicate copy of this page if paying by deposit account)

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.*

Michael D. Stein, Reg. No. 37,240  
 Name of Person Signing

Signature

April 8, 2004  
 Date

Total number of pages including cover sheet: 2

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# U.S. ASSIGNMENT

54H 1400

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  
(Title of Invention)

## METHOD AND APPARATUS FOR GENERATING AND TRACING CLEANING TRAJECTORY OF HOME CLEANING ROBOT

relating to International Patent Application PCT/JP / 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 STAAS & HALSEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is hereby authorized to insert in (b) 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)").


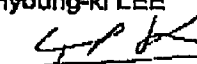



The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution 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)

(Typed Name & Signature of Witness(es))

1)  Hyung-ki LEE	April 8, 2004	
2)  Sun-gi HONG	April 8, 2004	
3)  Seok-won BANG	April 8, 2004	
4)  Il-hwan KIM	April 8, 2004	
5)  Ki-wan CHOI	April 8, 2004	