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U.S. DEPARTMENT OF COMMERCE

11-19-2009

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To the Director of the U.S. Patent and Tr ... ument.

1. Name of conveying parties:
   1. Ho Seong KWAK
   2. Woong KWON
   3. Kyung Shik ROH

2. Name and Address of receiving party:
   SAMSUNG ELECTRONICS CO., LTD.
   416, Maetan-dong, Yeongtong-gu,
   Suwon-si, Gyeonggi-do 443-742
   Republic of Korea

3. Nature of conveyance:
   X Assignment ___ Merger
   ___ Security Agreement ___ Change of Name
   ___ Other: _____
   Execution Date(s): October 28, 2009

4. Application number(s) or patent number(s):
   ☒ This document is being filed together with a new application.
   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 Our Docket: 1594.1995
   Attention: Michael J. Badagliacca
   1201 New York Ave., N.W., Suite 700
   Washington, D.C. 20005

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)..... ($ 40.00 per Patent or Application in 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)

Michael J. Badagliacca, Reg. No. 39,099 — Name of Person Signing
Signature
November 9, 2009 — Date

Total number of pages including cover sheet: 2

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Docket No.:1594.1995

U.S. ASSIGNMENT

SAH 100

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 443-742
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)

ROBOT AND METHOD OF CONTROLLING THE SAME

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 [illegible] Witness of FITZPATRICK, CELLA, HARPER & SCINTO, 1290 Avenue of the Americas, New York, NY 10104-3800 (212/218-2100) is hereby authorized to insert in (b) the specified date, when known.

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The ASSIGNOR covenant(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) Ho Seong KWAK	Oct. 28. 2009	
2) Woong KWON	Oct. 28. 2009	
3) KYUNG SHIK ROH Kyung Shik ROH	Oct. 28, 2009	
4)		
5)		
6)		
7)		