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7-21-10

1. Name of conveying party(ies):

1. Myung Hee KIM

2. Kyung Shik ROH

3. San LIM

4. Bok Man LIM

5. GUOCHUNXU

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

SAMSUNG ELECTRONICS CO., LTD.

416, Maetan-dong, Yeongtong-gu,

Suwon-si, Gyeonggi-do 443-742

Republic of Korea

3. Nature of conveyance:

Assignment

Merger

Security Agreement

Change of Name

Other: _____

Execution Date(s): June 28, 2010

12/805271

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: 2294.1160

Attention: Kari P. Footland

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)

Kari P. Footland, Reg. No. 55,187

Name of Person Signing

Signature

July 21, 2010

Date

Total number of pages including cover sheet: 2

U.S. ASSIGNMENT

421144

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)

METHOD AND APPARATUS TO PLAN MOTION PATH OF 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 date, 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)	<u>Myunghee Kim</u> Myung Hee KIM	<u>June 28, 2010</u>	_____
2)	<u>KYUNG SHIK ROH</u> Kyung Shik ROH	<u>June 28, 2010</u>	_____
3)	<u>San Lim</u> San LIM	<u>June 28, 2010</u>	_____
4)	<u>Bokman Lim</u> Bok Man LIM	<u>June 28, 2010</u>	_____
5)	<u>Guo Chunxu</u> GUOCHUNXU	<u>June 28, 2010</u>	_____
6)	_____	_____	_____
7)	_____	_____	_____

PATENT

RECORDED: 07/21/2010

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