



U.S. PTO  
12/805514

08-12-2010

FORM PTO-1256 08/03/2010

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To the Director of the U.S. Patent and T



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U.S. DEPARTMENT OF COMMERCE

Customer

8-3-10

1. Name of conveying party(ies):
 

1) Myung Hee KIM	4) Bok Man LIM
2) Kyung Shik ROH	5) GUOCHUNXU
3) Sam LIM	
  
2. Name and Address of receiving party:  
 SAMSUNG ELECTRONICS CO., LTD.  
 416, Maelan-dong, Yeongtong-gu,  
 Suwon-si, Gyeonggi-do 443-742  
 Republic of Korea
  
3. Nature of conveyance:
 

<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger
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 Execution Date: July 28, 2010
  
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: 2294.1159  
 Attention: Karl 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)
 

<input checked="" type="checkbox"/> Enclosed
<input type="checkbox"/> Authorized to be charged to deposit account.
  
8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)  
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Karl P. Footland, Reg. No. 55,187  
Name of Person Signing

Signature

August 3, 2010  
Date

Total number of pages including cover sheet: 2

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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)

#### PATH PLANNING APPARATUS AND METHOD FOR ROBOT

relating to International Patent Application PCT/JP \_\_\_\_\_ and/or for which application for Letters Patent of the United States was effected 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 STAMAS & 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 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) Myunghee Kim July 28, 2010  
Myung Hee KIM
- 2) KYUNGSHIK ROH July 29, 2010  
Kyung Shik ROH
- 3) San Lim July 28, 2010  
San LIM
- 4) Bokman Lim July 28, 2010  
Bok Man LIM
- 5) GUD CHUNXU July 28, 2010  
GUDCHUNXU
- 6) \_\_\_\_\_
- 7) \_\_\_\_\_



**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

AUGUST 12, 2010

PTAS



\*103604010A\*

STAAS & HALSEY LLP  
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RECORDATION DATE: 08/03/2010

REEL/FRAME: 024827/0961  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).  
DOCKET NUMBER: 2294.1159

ASSIGNOR:

KIM, MYUNG HEE

DOC DATE: 07/28/2010

ASSIGNOR:

ROH, KYUNG SHIK

DOC DATE: 07/28/2010

ASSIGNOR:

LIM, [SAM] --SAN--

DOC DATE: 07/28/2010

ASSIGNOR:

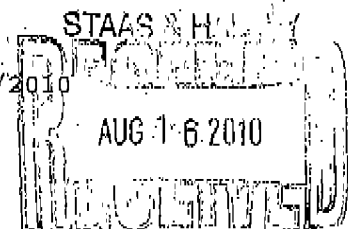
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DOC DATE: 07/28/2010



024827/0961 PAGE 2

ASSIGNEE:

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REPUBLIC OF KOREA

SERIAL NUMBER: 12805514  
PATENT NUMBER:  
TITLE:

FILING DATE:  
ISSUE DATE:

MARY BENTON, EXAMINER  
ASSIGNMENT SERVICES BRANCH  
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