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٠ ( 🚤 )	FORM PTO-1595 08/03/2010		U.S. DEPARTMENT OF COMMERCE
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	To the Director of the U.S. Patent and T	100001010	cument.
1.	Name of conveying party(ies):  1) Myung Hee KIM  2) Kyung Shik ROH  3) Sam LIM	4) Bok Man LIM 5) GUOCHUNXU	
2.	Name and Address of receiving p SAMSUNG ELECTRONICS CO., 416, Maetan-dong, Yeongtong-gu Suwon-si, Gyeonggi-do 443-742 Republic of Korea	, LTD.	•
3.	Nature of conveyance:		
	X Assignment Security Agreement Other:	Merger Change of Name	
	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 a  (a) Patent Application No(s).  (b) Patent No(s)., issued.		•
5.	Name and address of party to wh STAAS & HALSEY LLP Attention: <u>Kari P. Footland</u> 1201 New York Ave., N.W., Suite Washington, D.C. 20005	Our Docker	ng document should be mailed: t: <u>2294.1159</u>
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)		
	P. Footland, Reg. No. 55,187 ne of Person Signing	Signature	August 3, 2010  Date
		Total number	of pages including cover sheet: 2

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**PATENT** 

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## U.S. ASSIGNMENT

U.	3. A33IGIAME	•
IN CONSIDERATION of the sum of One indersigned inventor(s) (hereinafter, "ASSIGNOR"	Doller (\$1.00), and of other got	seu od and valuable consideration paid to tho
insort Name(s) & Address(ss) of ASSIGNEE(S))		
SAMSUNG ELECTRONICS CO., LT I16, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742 Republic of Korea	D.	
hereinafter, 'ASSIGNEE"), the receipt of which is rematers to ASSIGNEE the emire and exclusive in Tate of invention)	hereby administrated, the undight, title and interest to the inve	ersigned ASSIGNOR hereby selfs, assigns and ration entitled
PATH PLANNING APPARATUS AN	D METHOD FOR ROB	OT
elating to international Patent Application PCT/JP Rates was executed on even date herawith or, if t		hich epplication for Letters Patent of the United
(a) executed on ;	(insert date of execu	tion of application, if not concurrent)
(b) filed on . Sental No. ;	Avenue, N.W., Sulta	ney of STAAS & HALSEY LLF, 1201 New York 1700 Weshington, D.C. 20005 (202/434-1500) to insert in (b) the specified data, when known.
and to said application and all Letters Patert (s) of to substitute, release or reexamination application be prainted and including any extensions thereof (cell the ASSIGNOR agree(s), when request to do all acts which the ASSIGNEE may deem neo said invention, including in the preparation and printerference, reissue, reexamination, or public use declared in rotalion to same, such acts to include declarations, taking all rightful oaths, providing sw	used thereon, for the full term of actively, hereinatur, "said appli- ted by said ASSIGNEE and with essary, desirable or expedient," osecution of said application(s) a proceeding, and in any litigatic aut not be limited to executing the aut not be limited to executing the authors.	rigims for which the sald Letters Patent(s) may be cation(s) and Letters Patent(s)?. out charge to but at the expanse of said ASSIGN for securing, maintaining and enforcing protection and the lessuance of said Latieurs Patent(s), file on to on or other legal proceeding which may arise or to all papers, including separate assignments and
IN WITNESS WHEREOF, the undereigned inv (Typed Name & Signature of Inventor(s))	rentor(s) has (have) affixed his/l (Date)	ner/their signature(s). (Typed Namo & Signature of Wilness(es))
Myunghe kim	July . 18 . 20/p	
2) KYUNG SHILL ROLL Kyung Shak ROH	Tily, 27, 201	
3) SAN LIM	July 21. 2010	
4) Bukman Lim Bokman LIM	July, 24, 2010	<u> </u>
5) GUO CHUNXU	July. 28, 5010	

**RECORDED: 08/03/2010** 

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