U.S. PTO 12/588916 11/02/2009

	FORM PTO-1595 U.S. DEPARTMENT OF COMMERCE
	11-09-2009
:	To the Director of the U.S. Patent and T
1.	Name of conveying party: 103580000
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
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: 1594.1990 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)
	Agel J. Badagliacca, Reg. No. 39,099 Signature  Total number of pages including cover sheet:  BO NOT USE THIS SPACE  November 2, 2009 Date  Total number of pages including cover sheet:
L	11/03/2009 SDENBOB3 00000048 12508916 04 FC:8021 40.08 C

PATENT REEL: 023487 FRAME: 0377

Docket No.: 1594,1990

## U.S. ASSIGNMENT

5.ci ( ) 00

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned (memorics) (hereinoites, "ASSIGNOR") by

(Insert Marrie(s) & Address(es) of ASSIGNEE(S))

SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742 Republic of Korea

(hereinsiter, "ASSIGNEE"), the receipt of which is hereby adknewledged, the undersigned ASSIGNOR hereby sets, assigns and transfers to ASSIGNOE the entire and exclusive right, title and interest to the invention entitled (Title of Invention)

## ROBOT AND RECOVERY METHOD THEREOF

relating to international Patent Application PCTAIP / and/or for which application for Lecters Patent of the United States was executed on even date herewith or, if not so executed, was:					
(a) executed on ;	(inacrit date of execution of application, if not concurrent)				
(b) filed on ,	Any registered atturney of STAAS & HALSEY UP. 1201 Now York				
Serial No. ;	Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is hereby authorized to invert in (b) the specified date, when known.				

and to said application and all Letters Patent(s) of the United States gramed on said application and any continuation, division, renewal, substitute, returns 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 accuring, materialing 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, research nation, or public use proceeding, and in my fitigation or other legal proceeding which may arise or be described in relation to same, such acts to include but not be limited to executing all papers, including expenses assignments and declarations, taking all rightful pates, providing sween testimony, and obtaining and producing evidence.

(Typed Name & Signature of Invertor	is/her/their signature(s), (Typed Name & Signature of Witness(cs))	
1) Tee Sin HA	Sapt. 28. 2009	
2)		
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4)		
5)		
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**RECORDED: 11/02/2009**