	FORM PTO-1595	00-30-2008	U.S. DEPARTMENT OF COMMERCE
			U.S. DEPARTMENT OF COMMERCE
	e2005 Staas & Halsey LLP  To the Director of the U.S. Patent and Tra	103511145	ment.
1.	Name of conveying party(ies):	1000,111	
1.	Eung-Cheon KANG		`uo bro
	Sang-Jin LEE		U.S. PTO
		•	12/213463 06/19/2008
2.	Name and Address of receiving pa	arty(ies):	06/13/2006
	SAMSUNG ELECTRO-MECHANI 314, Maetan3-Dong, Yeongtong Gyunggi-Do, KOREA 443-743		·
3.	Nature of conveyance:		
	X Assignment	Merger	
	Security Agreement	Change of Na	me
	Other:	<del></del>	-
	Execution Date(s): April 29, 2008	·	
4.	Application number(s) or patent number.  This document is being filed to This document is being filed af (a)  Patent Application No(s)., (b)  Patent No(s)., issued.	gether with a new application in the second section in the section i	
5.	Name and address of party to who STAAS & HALSEY LLP Attention: <u>David M. Pitcher</u> 1201 New York Ave., N.W., Suite Washington, D.C. 20005	Our Do	erning document should be mailed: ocket: 1937.1242
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)		
		IN ALL	
	d M. Pitcher, Reg. No. 25,908	Laure Mitch	June 19, 2008
Nam	e of Person Signing	Signature	Date
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PATENT

**REEL: 021176 FRAME: 0186** 

## U.S. ASSIGNMENT

Docket No.

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))

**RECORDED: 06/19/2008** 

SAMSUNG ELECTRO-MECHANICS CO., LTD. 314, Maetan3-Dong, Yeongtong-Gu, Suwon, Gyunggi-Do, KOREA 443-743

(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)

## ROTARY MANIPULATION TYPE INPUT DEVICE

relating to International Patent Application PCT/ICP/_ States was executed on even date herewith or, if not so exec	and/or for which application for Letters Patent of the United
(a) executed on	(Insert date of execution of application, if not concurrent)
(b) filed on	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 data, when known.
substitute, reissue or reexamination application based there granted and including any extensions thereof (collectively, i	I States granted on said application and any continuation, division, renewal, son, for the full term or terms for which the said Letters Patent(s) may be hereinafter, "said application(s) and Letters Patent(s)").
to do all acts which the ASSIGNEE may deem necessary, used invention, including in the preparation and prosecution	aid ASSIGNEE and without charge to but at the expense of said ASSIGNEE, resirable or expedient, for securing, maintaining and enforcing protection for a of said application(s) and the issuance of said Letters Patent(s), in any ling, and in any litigation or other legal proceeding which may arise or be a limited to executing all papers, including separate assignments and mony, and obtaining and producing evidence.
IN WITNESS WHEREOF, the undersigned inventor(s) (Typed Name & Signature of Inventor(s))	) has (have) affixed his/her/their signature(s). (Date) (Typed Name & Signature of Witness(es)
1) Eung-Cheon KANG	ori/.29.2008
2) Lee Sang jû A	8 سر عد ( المر
☐ Additional inventors are being named on separ	ately numbered sheets attached hereto.

PATENT REEL: 021176 FRAME: 0187