10-14-2005		
FORM PTO-1595 U.S. DEPARTI	MENT OF COMMERCE	
To the Director of the U.S. Patent and Trad		
Name of conveying party(ies): Ki-Sung KIM Yoon-Young CHO Chang-Hwan HWANG	٤	
Name and Address of receiving party(ies):	9752 9752	
SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-Dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742 Republic of Korea	29/23 29/23	
Nature of conveyance: X Assignment Merger Security Agreement Change of Name Other: Execution Date(s): September 23, 2005		
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.		
Name and address of party to whom correspondence concerning document should be maile STAAS & HALSEY LLP Our Docket: 1860.1059 Attention: William F. Herbert 1201 New York Ave., N.W., Suite 700 Washington, D.C. 20005	ed:	
Total number of applications and patents involved:1		
Total fee (37 CFR 3.41) (\$ 40.00 per Patent or Application in Assignment) ☐ Enclosed ☐ Authorized to be charged to deposit account.		
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)		
am F. Herbert, Reg. No. 31,024 le of Person Signing Signature O/9/0 Date	29239752	
Total number of pages including or pages including	Cover sheet: 222	
	10/07/2005 04 FC:8021	

PATENT REEL: 017070 FRAME: 0223

Docket No. 1860,1059

U.S. ASSIGNMENT

S&H 1/00

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

PO	RTABLE PHONE	
	ng to International Patent Application PCT/KR/_uted on even date herewith or, if not so executed, was:	and/or for which application for Letters Patent of the United States wa
(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
	Serial No.	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 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)	Kim	Sept. 23, 200	5
2) _	Ki-Sung KIM	Sept 23, 2005	
3) _	Yoon-Young CHO C. H. Harry	September 22,2008	
4) _	Chang-Hwan HWANG		
5) _			
6) _			
7) _			

PATENT REEL: 017070 FRAME: 0224