, , , , , , , , , , , , , , , , , , ,		11-28-2007	U.S. PTO 11/984421 11/16/2007
	FORM PTO-1595		C U.S. DEPARTMENT OF COMMERCE
	To the Director of the U.S. Patent and	103464717	ocument.
1.	Name of conveying party(ies): Chang-kyu CHOI Kwang-il HWANG Sun-gi HONG	Young-hun SUNG Yeun-bae KIM Yong KIM	Sang-hoon LEE Hong JEONG
2.	Name and Address of receiving SAMSUNG ELECTRONICS CO 416, Maetan-dong, Yeongtong-o Suwon-si, Gyeonggi-do Republic of Korea	o., LTD.	·
3.	Nature of conveyance: X Assignment Security Agreement Other: Execution Date(s): November 1	Merger Change of Name 5, 2007	
4.	Application number(s) or patent This document is being filed OR This document is being filed (a) Patent Application No(s) (b) Patent No(s)., issued.	together with a new application:	on.
5.	Name and address of party to w STAAS & HALSEY LLP Attention: <u>Gene M. Garner, II</u> 1201 New York Ave., N.W., Suit Washington, D.C. 20005	Our Dock	ing document should be mailed: et: 1907.1220
6.	Total number of applications an	d patents involved:1	
7.	Total fee (37 CFR 3.41)	, , ,	oplication in Assignment)
8.	Deposit Account No.: 19-3935 Account) (Attach duplicate copy of this pa		ized to be charged to this Deposit
	e M. Garner, II, Reg. No. 34,172 e of Person Signing	Signature Total numbe	November 16, 2007 Date r of pages including cover sheet: 5
			19/2007 CNGUYEN2 00000050 11984421 FC:8021 40.00 OP
		67	1 DIAGE

-

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 Republic of Korea

(hereinalter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and axclusive right, title and interest to the invention emitted (Title of Invention)

APPARATUS AND	METHOD OF	IMPROVING	INTELLIGIBILITY	OF	AOICE	SIGN	IAL

relating to international Patent Application PCT/JP_____and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

- (a) executed on: November 15, 200 (Insert date of execution of application, if not concurrent)
- (b) filed on ,

Serial No. :

Any registered attorney of STAAS & HALSEY U.P., 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, relaxue or recramination 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, hereinaker, "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, destrable 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, relastic, restamination, 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 swom testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned in (Typed Name & Signature of Inventor(s))	(Dale)	(Typed Name & Signature of Witness(es))
1) Chang-lyu CHOI	November 15,	2007
2) Kwang-II HWANG		
3) Sum-al HONG		
1) Some Jours	November 15,	2007
Young-hun SUNB 5) Youn-bas KiM	November 15,	2007
•		
6) Yong KIM		
7)Sang-hoon LEE		
8) Hong JEONG		

PATENT

...

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

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

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

(herebraiter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undereigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention artitled (Title of Invention)

APPARATUS AND METHOD OF IMPROVING INTELLIGIBILITY OF VOICE SIGNAL

relating to international Patent Application PCT/IP _____ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

- (a) executed on: November 15, 2007 (Insert date of execution of application, if not concurrent)
- (b) filed on .

Serial No.;

Any registered attorney of STAAS & HALSEY UP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 2000S (202/434-1500) is hereby authorized to insert in (b) the specified date, when known.

and to said application and all Letters Paterni(s) of the United States granted on said application and any continuation, division, renewal, substitute, relaxue or reexamination application based thereon, for the full term or terms for which the said Letters Paterni(s) may be granted and including any extensions thereof (collectively, hereinsfier, "said application(s) and Letters Paterni(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expanse of said ASSIGNEE, to do all ants which the ASSIGNEE may deem necessary, destrable 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, release, 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 caths, providing swom testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undereigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1)	Chang-tryu CHOI		÷
2)	Chang-tyu CHOI KWANG-11. HAVANG	November	15, 2007
	Sun-gi HONG		
4)	Young-hun SUNG		
5)	Yeun-bae KIM		
6)	Yong KIM		
7)	Sang-hoon LEE		
8)	Hong JEONG		

PATENT

....

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinatier, "ASSIGNOR") by (insert Name(s) & Address(ec) of ASSIGNEE(S))

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

(hereinafter, "ASSIGNEE"), the receipt of which is hareby astronoledged, 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)

APPARATUS AND METHOD OF IMPROVING INTELLIGIBILITY OF VOICE SIGNAL

relating to international Patent Application PCTAIP_____and/or for which application for Lattere Patent of the United States was executed on even date herewith or, if not so executed, was:

- (a) executed on : November 15, 2007 (Insert date of execution of explication, if not concurrent)
- (b) filed on ,

Serial No.:

Any registered altomey of STAAS & HALSEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.G. 20005 (202/434-1300) Is hereby authorized to insent in (b) the specified data, when known.

and to eaid application and all Latters Palent(s) of the United States granted on said application and any continuation, division, renswer, substitute, retiseue or reasonination application based thereon, for the full term or terms for which the said Laters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Latters 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 nots which the ASSIGNEE may deem recessary, 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, release, recessination, 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 expenses assignments and declarations, taking all rightful caths, providing swom testimony, and obtaining and producing evidence.

3N WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature (a).

(Typed Name & Signature of Inventor(s))

Chang-kyu CHOI

November 15, 2007

Sun-gl HONG

Young-hun SUNG

Young-hun SUNG

Sang-hoon LEE

November 15 / Sang-hoon LEE

PATENT

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 Republic of Korea (hereinalter, "ASSIGNEE"). The receipt of which is hereby advisowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, till and interest to the invention emitted (Title of Invention) APPARATUS AND METHOD OF IMPROVING INTELLIGIBILITY OF VOICE SIGNAL relating to international Patent Application PCT/JP / ar States was executed on even date herewith or, it not so executed, was: and/or for which application for Letters Patent of the United (a) executed on : November 15, 2007 (insert date of execution of application, if not concurrent) Any registered attorney of STAAS & HALSEY LC, 1201 New York Avenue, N.W., Suite 700 Weshington, D.C. 20005 (202/434-1500) (b) filed on , Social No. : is hereby authorised to insert in (b) the specified data, when known. and to said application and all Letters Patenties of the United States granted on said application and any continuation, division, renewal, substitute, retrause or responsion application based thereon, for the full term or terms for which the said Letters Patenties may be granted and including any extensions thereon (collectively, hereinalier, "said application(s) and Letters Patential"). 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, destrable 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, reasonination, or public use groceeding, and in any fittgation or other legal proceeding which may arise or be declared in relation to serve, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing seven testimony, and obtaining and producing evidence. IN.WITNESS WHEREOF; the undersigned inventor(s) has (have) attitud his/her/heir signature (s).

(Typed Name & Signature of Invertor(s))

(Date)

(Typed Name & Signature of Witness(es)) 1) ____ Chang-kyu CHOI 2) Kwang-II HWANG S) Bun-gi HONG 4)-Young-hun SUNG 5) Your-bes KIM November 15, 2007 November 15, 2007 November 15, 2007

RECORDED: 11/16/2007

PATENT