U.S. PTO	
12/591120	
11/09/2009	
1-19-2009	U.S. DEPARTMENT OF COMMERCE

FORM PTO-1595 e2005 Staas & Halsey LLi ument. To the Director of the U.S. Patent and Tr 103581065 1. Name of conveying parties: 1. Ho Seong KWAK 2. Woong KWON 3. Kyung Shik ROH 2. Name and Address of receiving party: SAM\$UNG ELECTRONICS CO., LTD. 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742 Republic of Korea 3. Nature of conveyance: Merger Assignment <u>X</u> Change of Name Security Agreement Other: Execution Date(s): October 28, 2009 Application rlumber(s) or patent number(s): 4. This document is being filed together with a new application. This document is being filed after filing of the application: Patent Application No(s)., filed; or (a) Patent No(s). , issued . (b) Name and apdress of party to whom correspondence concerning document should be mailed: 5. Our Docket: 1594.1995 STAAS & HALSEY LLP Attention: Michael J. Badagliacca 1201 New York Ave., N.W., Suite 700 Washington D.C. 20005 Total number of applications and patents involved: __1 6. 7. Total fee (37 CFR 3.41)..... (\$ 40.00 per Patent or Application in Assignment) Enclosed \boxtimes Authorized to be charged to deposit account. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit 8. (Attach duplicate copy of this page if paying by depent account) Michael J. Badagliacca, Reg. No. 39,099 November 9, 2009 Date Name of Person Signing Total number of pages including cover sheet: 2 DO NOT USE THIS SPACE

11/10/2009 LNGUYEN1 00000027 125911/20

84 FC:8921

Docket No.:1594,1995

U.S. ASSIGNMENT

SAH LES

	yeonggi-do 443-7	742			
Republic of I					
(hereinaner, "ASS transfere to ASSII (Title of Invention)	SIGNEET), the receipt of GNEE the entire and or)	occlusive right, fille (ind interest to the live	ention entitled	POR HEROY SOR, 81
ROBOT AND	METHOD OF	CONTROLLIN	G THE SAME		
relating to Internal States was execu	tional Patent Application	on PCT/JP with or, if not so ex		which application	for Letters Patent of
(a) executed o	n;		(insert date of exec	oution of application	on, il not concurrent)
(b) filed on ,				ALS E	HALSEY UP, 1201 I n, D.C. 20005 (2024 ne specified data, wh
Serial No. ;			la fréreby authoritae	8 (d) ni heari of b	he specified data, wh
substitute, relies granted and incl The At to do all acts whit said invention, is interference, reli- declared in rela- declarations, tall	ection and all Letters Person or recommination applications and extending any extending in the preparation, or on to same, such acts ing all rightful cetts, pr	plication based therefore (collectively, poi residential by se debrin nitrollessly, tition and prosecution and process to include but not browting sworn testi	oon, for the full term of hereinsfler, "sald app of Afficial NEE and juit selfable or substitions, of sald applications, ing, and in any litigati a limited to executing nony, and obtaining a	or terms for which licution(s) and La hout charge to bu for seduring, man or and the lesuession or other legal all papers, included and producing evi	i the said Letters Patitiers Patent(s)"). I st the expense of an interim of an interim of said Letters Pate processing which miding separate assigns dence.
substitute, relies granted and included in the AS to do all acts white said invention, to interference, reli- declared in relat- declarations, tall IN WITNESS (Typed News)	e or reexamination appointing any extensions the SEGMOR artists (a), who will be Adel SPIEE may cluding in the preparet sue, reexamination, on to serve, such acts in	plication based therefore, collectively, per results that it is determined by se determined by section and prosecution public use process to include but not browtling sworm testimation author(s) is loc(s).	son, for the full term of never method, "said app of Agitic NEE and juli selfable of subsettions, of said application(s) ing, and in any litigati e limited to executing nony, and obtaining a nee (have) attitud his (Outb)	or terms for which fliction(s) and La hout charge to but for beduring, mili) and the leavend on or other legal all papers, included and producing evi /her/their signatur (Typed N	i the said Letters Patitiers Patent(s)"). I st the expense of an interim of an interim of said Letters Pate processing which miding separate assigns dence.
substitute, relies granted and inco The A to do all acts whit said invention, is interference, reli- declared in rela- declarations, tal IN WITNESS (Typed Nan	or recommination applicing any extensions the PSE(CHOR assemble), with the Additional Control of the Pseudong in the preparation, or on to same, such acts ing all rightful cette, providing the Control of the United Signature of Inventional Control	plication based therefore, collectively, per results that it is determined by se determined by section and prosecution public use process to include but not browtling sworm testimation author(s) is loc(s).	yon, for the full term of hereinster, "seld app of Agisto NEE and will selfable drashedlers," of seld applications, ing, and in any litigati is limited to executing mony, and obtaining a ness (have) affixed his	or terms for which fliction(s) and La hout charge to but for beduring, mili) and the leavend on or other legal all papers, included and producing evi /her/their signatur (Typed N	the said Letters Patitiers Patent(s)"). If it the expense of something end entirching and cutters Pate proceeding which midding separate assignation oc.
substitute, relies granted and inco- The AS to do all acts whit said invention, to interference, relidectared in reladectarations, tall IN WITNESS (Typed Name) 1) Ho Seong KV	or reexamination applicing any extensions the SEGNOR arthurs, who with ASSIGNEE may cluding in the preparation, or on to same, such ectaring all rightful ceths, provided as Signature of Inventor AK	plication based therefore (collectively, per requiremental by se debrit miscellary, di ion and prosecution public use process to include but not browding sworm testimagned inventor(s) ion(s))	eon, for the full term of nereinsfier, "sald applied AfficionEE and july selffithe or subsettion(a ing, and in any litigation and in any litigation only, and obtaining a small (neve) afficed his (Date)	or terms for which illeption(s) and La house charge to be for sectoring, mail or and the lessand on or other legal sell papers, included producing evidently from their signatus (Typed N	the said Letters Patitiers Patent(s)"). If it the expense of something end entirching and cutters Pate proceeding which midding separate assignation oc.
substitute, relies granted and inco- The AS to do all acts whit said invention, to interference, relidectared in reladectaretions, tall IN WITNESS (Typed Name) Ho Seong KV	or reexamination applicing any extensions the PSECONOR assumes, with the Additional Control of the preparation, or on to same, such acts ing all rightful cettes, providing the property of the under the Signature of Inventor	plication based therefore (collectively, and residentially the debrit residentially, it ion and prosecution public use procest to include but not be oviding sworn testinglined inventor(s) for (a))	pon, for the full term of hereinster, "sald applied Applicable and self-self applied and self-self applied and application(s) in any litigation and obtaining a none, and obtaining a new (have) affixed his (Date)	or terms for which licution(s) and La thout chiurge to but for seduring, mili) and the leavencien or other legal all papers, included producing evidentheir signatur (Typed N	the said Letters Patitiers Patent(s)"). If it the expense of something end entirching and cutters Pate proceeding which midding separate assignation oc.
substitute, relies granted and included and included and included and included and invention, is interference, residectared in related and inventions, talk in witness (Typed Name) 1) Ho Seong KV 2) Woong KWO 3)	or reexamination applicing any extensions the SEGNOR arthurs, who with ASSIGNEE may cluding in the preparation, or on to same, such ectaring all rightful ceths, provided as Signature of Inventor AK	plication based therefore (collectively, and residentially the debrit residentially, it ion and prosecution public use procest to include but not be oviding sworn testinglined inventor(s) for (a))	eon, for the full term of nereinsfier, "sald applied AfficionEE and july selffithe or subsettion(a ing, and in any litigation and in any litigation only, and obtaining a small (neve) afficed his (Date)	or terms for which licution(s) and La thout chiurge to but for seduring, mili) and the leavencien or other legal all papers, included producing evidentheir signatur (Typed N	the said Letters Patitiers Patent(s)"). If it the expense of something end entirching and cutters Pate proceeding which midding separate assignation oc.
substitute, relies granted and included invention, to interference, residectared in related and inventions, tall inventions,	or reexamination applicing any extensions the PSECONOR assumes, with the Additional Control of the preparation, or on to same, such acts ing all rightful cettes, providing the property of the under the Signature of Inventor	plication based therefore (collectively, and residentially the debrit residentially, it ion and prosecution public use procest to include but not be oviding sworn testinglined inventor(s) for (a))	pon, for the full term of hereinster, "sald applied Applicable and self-self applied and self-self applied and application(s) in any litigation and obtaining a none, and obtaining a new (have) affixed his (Date)	or terms for which licution(s) and La thout chiurge to but for seduring, mili) and the leavencien or other legal all papers, included producing evidentheir signatur (Typed N	the said Letters Patitiers Patent(s)"). If it the expense of something end entirching and cutters Pate proceeding which midding separate assignation oc.
substitute, relies granted and included invention, to interference, residectared in related inventions, talk in WiTNESS (Typed New Ho Seong KV) 2) Woong KWO 3)	or reexamination applicing any extensions the PSECONOR assumes, with the Additional Control of the preparation, or on to same, such acts ing all rightful cettes, providing the property of the under the Signature of Inventor	plication based therefore (collectively, and residentially the debrit residentially, it ion and prosecution public use procest to include but not be oviding sworn testinglined inventor(s) for (a))	pon, for the full term of hereinster, "sald applied Applicable and self-self applied and self-self applied and application(s) in any litigation and obtaining a none, and obtaining a new (have) affixed his (Date)	or terms for which licution(s) and La thout chiurge to but for seduring, mili) and the leavencien or other legal all papers, included producing evidentheir signatur (Typed N	the said Letters Patitiers Patent(s)"). If it the expense of something end entirching and cutters Pate proceeding which midding separate assignation oc.
substitute, release granted and incomment in the Astronomy of the Astronom	or reexamination applicing any extensions the PSECONOR assumes, with the Additional Control of the preparation, or on to same, such acts ing all rightful cettes, providing the property of the under the Signature of Inventor	plication based therefore (collectively, and residentially the debrit residentially, it ion and prosecution public use procest to include but not be oviding sworn testinglined inventor(s) for (a))	pon, for the full term of hereinster, "sald applied Applicable and self-self applied and self-self applied and application(s) in any litigation and obtaining a none, and obtaining a new (have) affixed his (Date)	or terms for which licution(s) and La thout chiurge to but for seduring, mili) and the leavencien or other legal all papers, included producing evidentheir signatur (Typed N	the said Letters Patitiers Patent(s)"). If it the expense of something end entirching and cutters Pate proceeding which midding separate assignation oc.
substitute, relies granted and included and included and included and included and invention, is interference, residectared in related and included	or reexamination applicing any extensions the PSECONOR assumes, with the Additional Control of the preparation, or on to same, such acts ing all rightful cettes, providing the property of the under the Signature of Inventor	plication based therefore (collectively, and residentially the debrit residentially, it ion and prosecution public use procest to include but not be oviding sworn testinglined inventor(s) for (a))	pon, for the full term of hereinster, "sald applied Applicable and self-self applied and self-self applied and application(s) in any litigation and obtaining a none, and obtaining a new (have) affixed his (Date)	or terms for which licution(s) and La thout chiurge to but for seduring, mili) and the leavencien or other legal all papers, included producing evidentheir signatur (Typed N	the said Letters Patitiers Patent(s)"). If it the expense of something end entirching and cutters Pate proceeding which midding separate assignation oc.
substitute, relies granted and included invention, to interference, residectared in related actions, talk in WiTNESS (Typed Name) 1)	or reexamination applicing any extensions the PSECONOR assumes, with the Additional Control of the preparation, or on to same, such acts ing all rightful cettes, providing the property of the under the Signature of Inventor	plication based therefore (collectively, and residentially the debrit residentially, it ion and prosecution public use procest to include but not be oviding sworn testinglined inventor(s) for (a))	pon, for the full term of hereinster, "sald applied Applicable and self-self applied and self-self applied and application(s) in any litigation and obtaining a none, and obtaining a new (have) affixed his (Date)	or terms for which licution(s) and La thout chiurge to but for seduring, mili) and the leavencien or other legal all papers, included producing evidentheir signatur (Typed N	the said Letters Patitiers Patent(s)"). If it the expense of something end entirching and cutters Pate proceeding which midding separate assignation oc.

RECORDED: 1/1/09/2009

PATENT

REEL: 023539 FRAME: 0386