503775223 04/08/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3821868

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JONG MIN JOO	03/09/2016
SEA JUN LEE	03/09/2016
CHUNG MO JE	03/09/2016
KYOUNG SUN CHOI	03/08/2016
JIN SUB AN	03/08/2016
SEUNG HONG LEE	03/09/2016

RECEIVING PARTY DATA

Name:	PYUNGIL CO., LTD.
Street Address:	(GWANGYANG-DONG) 9-30, GWANAK-DAERO, 434 BEON-GIL, DONGAN-GU, ANYANG-SI
City:	GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15028144

CORRESPONDENCE DATA

Fax Number: (571)327-5452

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

571-327-5450 Phone: ipntlaw@ipntlaw.com Email: Correspondent Name: IP & T GROUP LLP

Address Line 1: 8230 LEESBURG PIKE SUITE 650

Address Line 4: VIENNA, VIRGINIA 22182

ATTORNEY DOCKET NUMBER:	PUS-1603-PY
NAME OF SUBMITTER:	MYUNG SOO KIM
SIGNATURE:	/Myung Soo KIM/
DATE SIGNED:	04/08/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT REEL: 038227 FRAME: 0966 503775223

Total Attachments: 6 source=Untitled Extract Pages#page1.tif source=Untitled Extract Pages#page2.tif source=Untitled Extract Pages#page3.tif source=Untitled Extract Pages#page4.tif source=Untitled Extract Pages#page5.tif source=Untitled Extract Pages#page5.tif

PATENT REEL: 038227 FRAME: 0967

ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS	JOO, Jong Min	hereinafter referred to collectively as the a	ssignor and
inventor, has invented a c	ertain improvement relating to		
	•	SECTOR HAVING ELECTROSCOPE THEREIN	
		14×4×4×4×4×1×1×1×4×4×4×4×4×4×4×4×4×4×4×	
[] said application being	attached hereto;		
[] said application havin	g been filed in the United State	s Patent and Trademark Office on	
76	, as Application Ser	ial No, and	
(X) the specification of u	E II)	pplicable); Cooperation Treaty on June 9, 2014	
Serial No. PCT/KR2	014/005046 , the United St	tates of America being designated.	
AND WHEREAS	PYUNGIL CO., LTI	D. ,	
hereinafter referred to as	the assignee or applicant, is des	sirous of acquiring the entire right, title and interest	
		tions thereof, and in and to said invention and any a	and all patents
which may be granted the	refor, including any and all ren	ewals, reissues and prolongations thereof;	
MOW TUTE W	THE THE STATE STATES OF THE ST	and the second s	alderders bus bus
		consideration of One Dollar (\$1.00), and other g he receipt of which is hereby acknowledged, said	
		signee's successors and assigns, the full and exclusi	
		divisions and continuations thereof, and in and to s	
		uding any and all renewals, reissues and prolongat	
		save, hold, exercise and enjoy the said application,	
		invention and any and all patents which may be	
		ms thereof, with all the rights, powers, privileges a furing the term or terms of any and all such pater	
		stions thereof, for the use and benefit of said a	
		eficial a manner as the said assignor might or cou	
	issignment had not been made.		
ANTO raid acrim	nor handhu acmade to markem	upon the request of said assignee, or said assigns	aala sunnaadnee ne
		the asserting of said patents, including any and all	
and prolongations thereo		are accounting of our a harmony was arranged and arranged	. 4114 11110/ 14100400
· -			
		Commissioner of Patents and Trademarks to issue	
		nuations thereof, to said assignee, and said assigner	e's successors and
assigns, in accordance he	ewiti.		
As an above-nar	ned inventor, I hereby declare	that the above-identified application was made or	r authorized to be
		ginal joint inventor of a claimed invention in the ap	
* * * * * * * * * * * * * * * * * * * *	S. Y. Latina Community Cat Cayon man	anning and the state state and the state of	. 10.710.00 100.
	of not more than five (5) years,	tement made in this declaration is punishable unde	# 18 U.S.C. 1001
by time or imprisonment	a not more than live (3) Jeans,	or boar,	
ASSIGNOR (INVENTO)	9}.		
WOOLDS OF STANFOLD	ν.		
T/1/	1 T. 11	M. 1	
Signature: JUC	JOna Mi	n Date: March 09, 20	3/K
· · · · · · · · · · · · · · · · · · ·	7		•• •
Deinsad on Tread Mamar	¥C	O. Jong Min	
Printed or Typed Name: _		See a Milita (Fillis)	

Page 1 of 6

ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS L	EE, Sea Jun	, hereinafter referred	to collectively as th	e assignor a	nd inventor,
has invented a certain improvemen	relating to				
GROUNDING T	YPE ELBOW CONNEC	TOR HAVING ELEC	TROSCOPE THEF	EIN	
[] said application being attached [] said application having been fil on [X] the specification of which was	hereto; ed in the United States Pa _, as Application Serial N(if application are the patent Coc	tent and Trademark O fo ;able); peration Treaty on	ffice on	and was	amended
Serial No. <u>PCT/KR2014/0050</u>	the United States	of America being des	ignated.		
AND WHEREAS hereinafter referred to as the assign application, including any and all d which may be granted therefor, inc	ee or applicant, is desirou ivisions and continuations	thereof, and in and to	said invention and		
NOW THIS WITNESSE consideration paid by said assigns assigns, sells and transfers to said interest in and to said application, any and all patents which may be assignee, and said assignee's succe all divisions and continuations the including any and all renewals, reanywise arising from or appertain including any and all renewals, assignee's successors and assigns, enjoyed the same, if this assignment.	te to said assignor, the rassignee, and said assignee, including any and all divisions and assigns and assigns, to have, ereof, and the said inversasses and prolongations ting thereto, for and during these and prolongation in as ample and benefici-	eceipt of which is he e's successors and assi- sions and continuation g any and all renewal hold, exercise and en- tion and any and all hereof, with all the ri- g the term or terms of thereof, for the us	reby acknowledged igns, the full and end igns, the full and end is, reissues and proli- joy the said applicate patents which many gats, powers, priviled if any and all such e and benefit of si	I, said assign xelusive right d to said involugations the tion, including y be granted eges and advolugations patents whe aid assignee	nor hereby at, title and cention and ereof; said ag any and d therefor, cantages in an granted, , and said
AND said assignor hereb assigns, any and all acts relating to and prolongations thereof.					
AND said assignor author said application, and on any and a assigns, in accordance herewith.					
As an above-named inver made by me, and that I am the original					
I hereby acknowledge tha by fine or imprisonment of not mor			ration is punishable	under 18 U	.S.C. 1001
ASSIGNOR (INVENTOR):					
Signature: LEL, Si	ea. Jun	Date: Man	oh 09, 2	2016	
Printed or Typed Name:	LEE.	Ses Jun			
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Page 2 of 6

ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS	JE, Chung Mo	, hereinafter referred t	o collectively as	the assi	gnor ar	ıd 💮
inventor, has invented a	certain improvement relating to					
	NDING TYPE ELBOW CON		ROSCOPE THE	REIN		
		<u> </u>	**************************************	6.360c606.2		
[] said application being	g attached hereto;					
[] said application havis	ng been filed in the United State	s Patent and Trademark Off	ice on	_		
	, as Application Ser	ial No.	5	and	was.	amended
Off	(if a	pplicable);	r '0 *0**			
A to nonzantana ak leinaz	which was filed under the Paten	Cooperation Treaty on	June 9, 2014			
Oct. 11 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	2014/005046 , the United S	tates of America being desig	mateu.			
AND WHEREAS	PYUNGIL CO., LT	n.				
hereinafter referred to as	the assignee or applicant, is de	sirous of acquiring the entire	right, title and in	nterest in	n and t	o said
application, including an	y and all divisions and continue	tions thereof, and in and to	said invention and	d any an	d all p	atents
which may be granted th	erefor, including any and all rer	ewals, reissues and prolong	ations thereof;	·	•	
	TTNESSETH, that for and in					
consideration paid by s	aid assignee to said assignor,	the receipt of which is here	by acknowledge	d, said	assign	or hereby
assigns, sells and transfe	ers to said assignee, and said as	signee's successors and assi-	ms, the full and	exclusiv	e right	, title and
	plication, including any and all					
	th may be granted therefor, incl					
assignee, and same assign	nee's successors and assigns, to luations thereof, and the said	mive, mora, exercise and engineering	y me said applic	anout u	CIUUIII	g any ano
	newals, reissues and prolongation					
	appertaining thereto, for and					
	enewals, reissues and prolong					
assignee's successors an	d assigns, in as ample and ben	eficial a manner as the said	assignor might	or coul	d have	held and
enjoyed the same, if this	assignment had not been made.					
	gnor hereby agrees to perform,					
	relating to the obtaining or to t	he asserting of said patents,	including any ar	nd all re	newal:	s, reissues
and prolongations thereo	· .					
ANT) eaid seein	mor authorizes and requests the	Commissioner of Patents as	nd Trademarks to	Seena I	attarr	Datant on
said application, and on	any and all divisions and conti	nustions thereof to said ass	onee and said a	r issuc i Wignee'	e entere remers	nu mena nu mena
assigns, in accordance he		and the state of t	garee, and said to	and the	2 4000	sons min
,						
	med inventor, I hereby declare					
made by me, and that I a	m the original inventor or an or	ginal joint inventor of a clai	med invention in	the app	licatio	n.:
	Y 4			_		
I hereby acknow	wledge that any willful false sta	tement made in this declara	tion is punishabl	e under	18 U.	S.C. 1001
by fine or imprisonment	of not more than five (5) years,	or botn.				
ASSIGNOR (INVENTO	R):					
*********	- 1					,
)	China N	Mar	make m	-		//
Signature:	, Chung M	Date:		7.	~	110
_	U			11		•
ليد ي سر	سند	(m) :				
Printed or Typed Name:	JE	Chung Mo	***********			

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ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS CHOI, Kyoung Sun , hereinafter referred to collectively as the assignor and
inventor, has invented a certain improvement relating to
GROUNDING TYPE ELBOW CONNECTOR HAVING ELECTROSCOPE THEREIN
[] said application being attached hereto; [] said application having been filed in the United States Patent and Trademark Office on
AND WHEREAS PYUNGIL CO. LTD. hereinafter referred to as the assignee or applicant, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;
NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assigner, the receipt of which is hereby acknowledged, said assigner hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.
AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.
AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.
As an above-named inventor, I hereby declare that the above-identified application was made or authorized to be made by me, and that I am the original inventor or an original joint inventor of a claimed invention in the application.
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.
ASSIGNOR (INVENTOR):
Signature: CHOI, Kyoung Sun Date: March 08, 2016
Printed or Typed Name: CHOI, Kyoung Sun

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ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

where AS AN. Jin Sub hereinafter referred to collectively as the assignor and inventor,
has invented a certain improvement relating to
GROUNDING TYPE ELBOW CONNECTOR HAVING ELECTROSCOPE THEREIN
[] said application being attached hereto; [] said application having been filed in the United States Patent and Trademark Office on
AND WHEREAS PYUNGIL CO., LTD. hereinafter referred to as the assignee or applicant, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;
NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assigner, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.
AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.
AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.
As an above-named inventor, I hereby declare that the above-identified application was made or authorized to be made by me, and that I am the original inventor or an original joint inventor of a claimed invention in the application.
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.
ASSIGNOR (INVENTOR):
Signature: An Jin Sub Date: March 08,2016
Printed or Typed Name: AN, Jin Sub

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ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS	LEE, Seung Hong	, hereinafter referr	ed to collectively	as the assig	nor and
inventor, has invented a	certain improvement relating to				
GROU	NDING TYPE ELBOW CONNEC	OR HAVING ELECTI	ROSCOPE THE	REIN	
on[X] the specification of v	g attached hereto; ng been filed in the United States Par as Application Serial N (if applic which was filed under the Patent Coc 2014/005046, the United States	o. able); peration Treaty on	June 9, 2014	and was	amended
AND WHEREAS	PYUNGIL CO. LID.				
hereinafter referred to as application, including an	the assignee or applicant, is desiron y and all divisions and continuations erefor, including any and all renewal	of acquiring the entire thereof, and in and to s	right, title and in aid invention and		
consideration paid by si assigns, sells and transfe interest in and to said ap any and all patents which assignee, and said assign all divisions and contin- including any and all re- anywise arising from or including any and all re- assignee's successors and	TTNESSETH, that for and in consist assignee to said assigner, the rest to said assignee, and said assigner plication, including any and all divis h may be granted therefor, including ee's successors and assigns, to have, uations thereof, and the said inventewals, reissues and prolongations if appertaining thereto, for and during enewals, reissues and prolongation of assigns, in as ample and beneficial assignment had not been made.	ccipt of which is here is successors and assig- ions and continuations to any and all renewals, hold, exercise and enjo- tion and any and all pareof, with all the righ- the term or terms of thereof, for the use	by acknowledges ns, the full and e hereof, and in an reissues and proly the said applica atents which ma is, powers, privil any and all such and benefit of s	i, said assig xelusive rigi d to said im longations th tion, includi ty be grante eges and ad- patents who aid assigner	nor hereby in, title and rention and sereof; said ing any and d therefor, vantages in en granted, t, and said
AND said assig assigns, any and all acts and prolongations thereo	mor hereby agrees to perform, upor relating to the obtaining or to the as f.	the request of said as serting of said patents,	signee, or said a including any an	ssignee's su d all renewa	ccessors or is, reissues
	nor authorizes and requests the Com any and all divisions and continuation rewith.				
	med inventor, I hereby declare that in the original inventor or an original				
	viedge that any willful false statemen of not more than five (5) years, or bo		ion is punishable	under 18 U	.S.C. 1001
ASSIGNOR (INVENTO	R):				
Signature: <i>SS</i>	E, Sowy Hong	Date: <u>\</u>	zh_09	2016	
Printed or Typed Name:	LEE, S	ung Hong			

Page 6 of 6