504172976 01/11/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4219654

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VISHAL MHATRE	01/03/2017
MICHAEL PEREZ	12/14/2016
GIANLUIGI NUSCA	01/03/2017
MARIO BARBA GARCIA	12/14/2016

RECEIVING PARTY DATA

Name:	MICROSOFT TECHNOLOGY LICENSING, LLC
Street Address:	ONE MICROSOFT WAY
City:	REDMOND
State/Country:	WASHINGTON
Postal Code:	98052

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15403298

CORRESPONDENCE DATA

Fax Number: (303)357-1671

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.

Phone: 303-357-1670

Email: cestell@merchantgould.com MERCHANT & GOULD P.C. **Correspondent Name:**

Address Line 1: P.O. BOX 2903

Address Line 4: MINNEAPOLIS, MINNESOTA 55402-0903

ATTORNEY DOCKET NUMBER:	14918.3016USU1/361352.02
NAME OF SUBMITTER:	KIRSTIN STOLL-DEBELL
SIGNATURE:	/Kirstin Stoll-DeBell/
DATE SIGNED:	01/11/2017

Total Attachments: 12

source=2017-01-11-Assignment-14917-3016USU1#page1.tif source=2017-01-11-Assignment-14917-3016USU1#page2.tif source=2017-01-11-Assignment-14917-3016USU1#page3.tif

PATENT REEL: 040943 FRAME: 0703 504172976

source=2017-01-11-Assignment-14917-3016USU1#page4.tif	
source=2017-01-11-Assignment-14917-3016USU1#page5.tif	
source=2017-01-11-Assignment-14917-3016USU1#page6.tif	
source=2017-01-11-Assignment-14917-3016USU1#page7.tif	
source=2017-01-11-Assignment-14917-3016USU1#page8.tif	
source=2017-01-11-Assignment-14917-3016USU1#page9.tif	
source=2017-01-11-Assignment-14917-3016USU1#page10.tif	
source=2017-01-11-Assignment-14917-3016USU1#page11.tif	
source=2017-01-11-Assignment-14917-3016USU1#page12.tif	

PATENT REEL: 040943 FRAME: 0704

We, <u>Michael Perez</u>, <u>Mario Barba Garcia</u>, <u>Gianluigi Nusca</u>, <u>and Vishal Mhatre</u> ("ASSIGNORS") are the original inventors or the original joint inventors of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>SMART DISCOVERY OF WIRELESS RECEIVERS</u>" ("APPLICATION"), which:

X	will	be	filed.	ASSIGNOR	hereby	autho	rizes,	and	requ	uests,
	ASSI	GNE	E'S lega	l representa	tive, Mici	osoft '	Techno	ology	Licer	nsing,
	LLC, One Microsoft Way, Redmond, Washington 98052 (ASSIGNE									
	LEG/	AL R	EPRESEN	NTATIVES),	to insert	here	in pai	renthe	eses	(filed
	on				and	ģ	given	Δ	pplic	ation
	No.				by		the		follo	owing
	Offic	ce _)	this	APPL	ICAT	ION's
	Application No., filing date, and Office, when known;									
	was	filed	on		and was	given A	pplicat	tion		
	No_			by the	following	Office				
	"				". ——"					

Microsoft Technology Licensing, LLC, a Washington limited liability company, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known:

remaining times and, the area to a surface t					
Application No.	Filing Date	Office			

Page 1 of 3

MS Docket No.: 361352.02

PATENT ASSIGNMENT	MS Docket No.: <u>361352.02</u>

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, ASSIGNOR's entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

Michael Perez	Date
Printed Name in English	Printed Name in Native Language (if other than English)
Mario Barba Garcia	Date
Printed Name in English	 Printed Name in Native Language

Gianluigi Nusca	Date
Printed Name in English	Printed Name in Native Language (if other than English)
Mhatre	1/3/2017
Vishal Mhatre	Date
Vishal Mhatre	
Printed Name in English	Printed Name in Native Language

(if other than English)

MS Docket No.: <u>361352.02</u>

We, <u>Michael Perez</u>, <u>Mario Barba Garcia</u>, <u>Gianluigi Nusca</u>, <u>and Vishal</u>

<u>Mhatre</u> ("ASSIGNORS") are the original inventors or the original joint inventors of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>SMART DISCOVERY OF WIRELESS RECEIVERS</u>" ("APPLICATION"), which:

X	will	be	filed.	ASSIGNOR	hereby	autho	rizes,	and	requ	uests,
	ASSI	GNEI	E'S legal	representa	tive, Micı	osoft	Techno	ology	Licen	ısing,
	LLC,	One	Microso	ft Way, Red	mond, Wa	ashingt	on 980)52 (A	\SSIG	NEE'S
	LEG/	AL R	EPRESEN	TATIVES), 1	to insert	here	in pai	enthe	eses	(filed
	on				and	9	given	А	pplic	ation
	No.				by		the		follo	wing
	Offic	ce _)	this	APPL	ICAT	ION's
	Appl	icati	on No., f	iling date, a	nd Office	, when	know	1 ;		
	was	filed	on		and was	given A	pplicat	tion		
	No			by the 1	followina	Office				
	"			,	":	= = -				
					,					

Microsoft Technology Licensing, LLC, a Washington limited liability company, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known:

Tonoming table for any further beauty further beauty are known,				
Application No.	Filing Date	Office		

Page 1 of 3

MS Docket No.: 361352.02

PATENT A	ASSIGNMENT	MS Docket No.:	361352.02

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, ASSIGNOR's entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

Michael Perez	12/14/2016 Date
Michael Perez	<u> </u>
Printed Name in English	Printed Name in Native Language
	(if other than English)
Mario Barba Garcia	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT MS Docket No.: 361352.02

Gianluigi Nusca	Date
Printed Name in English	Printed Name in Native Language (if other than English)
/ichal Mhatua	Data
Vishal Mhatre Printed Name in English	Date Printed Name in Native Language
	Printen Name in Native Landuane

We, Michael Perez, Mario Barba Garcia, Gianluigi Nusca, and Vishal

Mhatre ("ASSIGNORS") are the original inventors or the original joint inventors of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "SMART DISCOVERY OF WIRELESS RECEIVERS" ("APPLICATION"), which:

	Way, Redmond, Washir	~~	
on REPRESENTA	ATIVES), to insert her and	e in parer given	theses (filed) Application
No	by	the	following
Office		_) this A	PPLICATION's
Annlication No. fili	ng date, and Office, wh	en known;	
repriession no., im			
was filed on	and was giver	ı Applicatio	n
	and was giver by the following Offic		n

Microsoft Technology Licensing, LLC, a Washington limited liability company, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES")):

ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known:

Application No.	Filing Date	Office

Page 1 of 3

MS Docket No.: <u>36</u>1352.02

PATENT ASSIGN	NMENT MS Docket No.: 361352.02
acknowledged by the ASSIGNOR, the atthe ASSIGNEE, ASSIGNOR's entire and right of priority, in the INVENTION and patents derived therefrom, such as co	isideration, the receipt of which is hereby ASSIGNOR hereby sells, assigns and transfers to exclusive rights, title and interest, including the the APPLICATION (and all other applications and intinuing applications, in whole or in part, in and es, and all foreign countries ("APPLICATION")
making and prosecution of the APPI	Ill instruments and documents required for the LICATION (and APPLICATION DERIVATIVES), for ved therefrom, and for the purpose of protecting N (and APPLICATION DERIVATIVES).
Michael Perez	Date
Printed Name in English	Printed Name in Native Language (if other than English)
Mario Barba Garcia	Date

Printed Name in English

Printed Name in Native Language

(if other than English)

MS Docket No.: 361352.02 Cianluigi Nusca Printed Name in English Printed Name in Native Language (if other than English)

Vishal Mhatre Date Printed Name in English Printed Name in Native Language (if other than English)

We, <u>Michael Perez</u>, <u>Mario Barba Garcia</u>, <u>Gianluigi Nusca</u>, <u>and Vishal</u>

<u>Mhatre</u> ("ASSIGNORS") are the original inventors or the original joint inventors of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "SMART DISCOVERY OF WIRELESS RECEIVERS" ("APPLICATION"), which:

\times	will	be	filed.	ASSIGNOR	R hereby	autho	rizes.	and	rea	uests.
				l representa	_				_	
				oft Way, Red	•			٠,		
	LEGA	AL F	REPRESE	NTATIVES),	to insert	here	in pa	renthe	ses	(filed
	on				and	ç	given	Α	pplio	cation
	No.				by		the		follo	owing
	Offic	ce _)	this	APPL	ICAT	ION's
	Appl	licati	ion No.,	filing date,	and Office	, when	know	n;		
	was	filed	l on		and was	given A	pplica	tion		
	No_			by the	following	Office				
	"				".					

Microsoft Technology Licensing, LLC, a Washington limited liability company, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known:

Tollowing table for any 741 Electrical Bellivitives after they are known;				
Application No.	Filing Date	Office		

Page 1 of 3

MS Docket No.: 361352.02

PATENT ASSIGNN	MENT MS Docket No.: <u>361352.02</u>
the ASSIGNEE, ASSIGNOR's entire and exright of priority, in the INVENTION and the patents derived therefrom, such as continuous account.	leration, the receipt of which is hereby SIGNOR hereby sells, assigns and transfers to clusive rights, title and interest, including the e APPLICATION (and all other applications and nuing applications, in whole or in part, in and and all foreign countries ("APPLICATION
making and prosecution of the APPLIC	nstruments and documents required for the ATION (and APPLICATION DERIVATIVES), for therefrom, and for the purpose of protecting and APPLICATION DERIVATIVES).
Michael Perez	Date
Police J.M.	
Printed Name in English	Printed Name in Native Language (if other than English)
Maria Barba Garca	12/14/2016
Mario Barba Garcia	Date

(if other than English)

PATENT ASSIGNMENT MS Docket No.: 361352.02

Gianluigi Nusca	Date
Printed Name in English	Printed Name in Native Language (if other than English)
Vishal Mhatre	Date
Printed Name in English	Printed Name in Native Language (if other than English)

RECORDED: 01/11/2017