# 503600609 12/08/2015

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3647239

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
RYAN BATTLE	11/30/2015
COSTEL RADU	11/30/2015
ROBERTO SANTOS	12/06/2015
ANUSH PRABHU RAMACHANDRAN	12/03/2015
ROBERT HALL	11/29/2015
VLADIMIR LOZHKIN	12/03/2015
YAGNESH SETTI SUBRAMANIAN	12/07/2015

#### **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:	14958571

#### **CORRESPONDENCE DATA**

**Fax Number:** (952)373-8920

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: 9524676088
Email: drud@khcip.com
Correspondent Name: ASSAL MEFTAHI

Address Line 1: ONE MICROSOFT WAY

Address Line 2: PATENT GROUP DOCKETING DEPT Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	357553.02
NAME OF SUBMITTER:	DAWN C. RUD
SIGNATURE:	/Dawn C. Rud/
DATE SIGNED:	12/08/2015

503600609 PATENT REEL: 037232 FRAME: 0317

# Total Attachments: 14 source=357553.02 Executed Assignments#page1.tif source=357553.02 Executed Assignments#page2.tif source=357553.02 Executed Assignments#page3.tif source=357553.02 Executed Assignments#page4.tif source=357553.02 Executed Assignments#page5.tif source=357553.02 Executed Assignments#page6.tif source=357553.02 Executed Assignments#page7.tif source=357553.02 Executed Assignments#page8.tif source=357553.02 Executed Assignments#page9.tif source=357553.02 Executed Assignments#page10.tif source=357553.02 Executed Assignments#page11.tif source=357553.02 Executed Assignments#page11.tif source=357553.02 Executed Assignments#page12.tif source=357553.02 Executed Assignments#page13.tif source=357553.02 Executed Assignments#page13.tif source=357553.02 Executed Assignments#page14.tif

PATENT REEL: 037232 FRAME: 0318

I Ryan Battle ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "COMPUTING RESOURCE MANAGEMENT SYSTEM" ("APPLICATION"), which:

MS Docket No.: 357553.02

$\times$	will be filed. A	SSIGNOR I	nereby	authorize	es, and	requests,
	ASSIGNEE'S legal re	presentativ	e, Micr	osoft Tec	hnology	Licensing,
	LLC., One Microsoft	Way, Redm	ond, Wa	shington	98052 (/	ASSIGNEE'S
	LEGAL REPRESENTA	TIVES), to	insert	here in	parenth	eses (filed
	on	and give	n Appli	cation No.	dinote initiate and a second	by
	the following Office	US – United	States	Patent and	d Tradem	ark Office)
	this APPLICATION's	Application	ı No., f	iling date	, and Of	fice, when
	known;					
	was filed on	an	d was g	iven Appl	ication	
	No	by the fol	lowing	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;

Application No.	Filing Date	Office

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"));

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My	
	11/30/2015
Inventor's Signature	Date
Ryan Battle	and the second of the second o
Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No.: 357553.02

I Costel Radu ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "COMPUTING RESOURCE MANAGEMENT SYSTEM" ("APPLICATION"), which:

X	will be filed.	ASSIGNOR	hereby	authorizes,	and request	5,
	ASSIGNEE'S lega	al representat	ive, Micro	osoft Techno	logy Licensin	g,
	LLC., One Micro	soft Way, Redi	nond, Wa	shington 980	52 (ASSIGNEE	'S
	LEGAL REPRESE	NTATIVES), to	insert h	ere in parent	theses (filed o	n
	and given Appli	cation No		by the	following Offic	ce
	US - United Stat	es Patent and	<u>Trademai</u>	k Office) this	APPLICATION	'5
	Application No.,	, filing date, a	nd Office,	when knowr		
	was filed on		ınd was g	iven Applicat	ion No	
	by the following	Office "				

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lota	11/30/2015
Inventor's Signature  Costel Radu	Date
Printed Name in English	Printed Name in Native Language (if other than English)

	PATENT	ASSIGNMENT	MS Docket No.: 357553.02
inventor of	subject matter ( entitled "COM	IGNOR") am the origina ("INVENTION") disclosed IPUTING RESOURCE	l inventor or an original joint and/or claimed in a patent MANAGEMENT SYSTEM"
X	will be filed.	ASSIGNOR hereby aut	horizes, and requests,
	LLC., One Microso LEGAL REPRESENT and given Applica US - United States Application No., f	oft Way, Redmond, Washir FATIVES), to insert here ation No.	
	by the following (	Office "	antigaria
behalf of itse of acquiring, priority, in th derived there United States ASSIGI to insert the	elf and its successor, the entire and existence in the entire and existence in the entire and existence in the entire in the ent	rs and assigns ("ASSIGNEE xclusive rights, title and the APPLICATION (and all ntinuing applications, in v d all foreign countries ("A rizes, and requests, ASSIC filing date, and Office in	on limited liability company, on E"), is entitled to, and is desirous interest, including the right of lother applications and patents whole or in part, in and for the APPLICATION DERIVATIVES"));  SNEE'S LEGAL REPRESENTATIVES not the following table for any
Application		Filing Date	Office

MS Docket No.: 357553.02

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100-12:	12/06/2015
Inventor's Signature	Date
Roberto Santos	
Printed Name in English	Printed Name in Native Language (if other than English)

I Anush Prabhu Ramachandran ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "COMPUTING RESOURCE MANAGEMENT SYSTEM" ("APPLICATION"), which:

MS Docket No.: 357553.02

$\boxtimes$	will	be	filed.	ASSIGNOR	hereby	authoriz	es, and	requests
	ASSI	GNE	E'S legal	representa	tive, Mic	rosoft Te	chnology	Licensing
	LLC.	, On	e Micros	oft Way, Red	mond, W	ashingtor	98052 (4	ASSIGNEE'S
	LEG/	AL R	EPRESEN	TATIVES), to	insert l	nere in pa	arenthese	s (filed or
	and	give	n Applic	ation No		by	the follow	ving Office
	US -	Unit	ed State	s Patent and	<u>Tradema</u>	ark Office)	this APPL	.ICATION's
	Appl	licati	on No., I	filing date, a	nd Office	e, when kr	nown;	
П	was	filed	on		and was	given App	lication N	lo
	by th	ne fo	llowing (	Office "				

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Application No.	Filing Date	Office
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MS Docket No.: 357553.02

R. Alth.	12/3/2015
Inventor's Signature	Date
Anush Prabhu Ramachandran	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 357553.02

I Robert Hall ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "COMPUTING RESOURCE MANAGEMENT SYSTEM" ("APPLICATION"), which:

X	will be	e filed.	ASSIGNOR	hereby	authorizes,	and	requests,
	ASSIGN	EE'S lega	l representa	tive, Micr	osoft Techno	ology	Licensing,
	LLC., O	ne Micros	oft Way, Red	mond, Wa	ashington 980	052 (A	SSIGNEE'S
	LEGAL	REPRESEN	ITATIVES), to	insert h	ere in paren	these	s (filed on
	and giv	en Applic	ation No	***************************************	by the	follov	ving Office
	US – Un	ited State	s Patent and	Tradema	<u>rk Office</u> ) this	APPL	ICATION's
	Applica	tion No.,	filing date, a	nd Office	, when knowr	١;	
	was file	d on		and was q	given Applicat	ion N	0
	by the f	ollowing	Office "			71	'. '

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"));

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Robert Hall	11/29/2015
Inventor's Signature	Date
Robert Hall	
Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No.: 357553.02

I Vladin	nir Lozhkin ("A	ASSIGNOR")	am the d	original i	nventor	or an	original	joint
inventor of s	ubject matter	("INVENTIC	)N") disc	losed ar	nd/or c	laimed	in a p	atent
application	entitled "CO	MPUTING	RESOU	RCE 1	MANAG	EMENT	SYST	ГЕМ"
("APPLICATION	"), which:							

図	will be filed.	ASSIGNOR	hereby	authorizes,	and red	uests,	
	ASSIGNEE'S lega	l representat	ive, Micr	osoft Techno	ology Lice	nsing,	
	LLC., One Micros	oft Way, Red	mond, Wa	shington 980	)52 (ASSIC	JNEE'S	
	LEGAL REPRESEN	NTATIVES), to	insert h	ere in paren	theses (fil	ed on	
	and given Applic	ation No		by the	following	Office	
	US - United States Patent and Trademark Office) this APPLICATION's						
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A	12/3/2015
Inventor's Signature	Date Comments of the Comments
Vladimir Lozhkin	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I Yagnesh Setti Subramanian ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "COMPUTING RESOURCE MANAGEMENT SYSTEM" ("APPLICATION"), which:

MS Docket No.: 357553.02

区	will be filed. ASSIG	NOR hereby	authorizes,	and requests,					
	ASSIGNEE'S legal repres	ASSIGNEE'S legal representative, Microsoft Technology Licensing,							
	LLC., One Microsoft Way	LLC., One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S							
	LEGAL REPRESENTATIVES), to insert here in parentheses (filed on								
	and given Application N	and given Application No by the following Office							
	US - United States Paten	<u>US - United States Patent and Trademark Office</u> ) this APPLICATION's							
	Application No., filing date, and Office, when known;								
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Yapash	12/7/2015
Inventor's Signature	Date
Yagnesh Setti Subramanian	mpensi Ostil Hillsman man
Printed Name in English	Printed Name in Native Language (if other than English)