503260953 04/13/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3307571

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NIRAJ S. KHANCHANDANI	04/13/2015
ALEXANDER MARLIAVE HEHMEYER	03/24/2015
SURESH PARAMESHWAR	03/16/2015
NISSIM NATANOV	03/09/2015
MARYAM KHABAZAN	03/11/2015
SHOAEV S. HARES	03/23/2015
MISRAK G. ARARSO	03/30/2015
NICHOLAS A. BIGELOW	03/23/2015

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:	14634590

CORRESPONDENCE DATA

Fax Number: (509)755-7252

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: 509-755-7262

Email: usdocket@microsoft.com

Correspondent Name: WOLFE-SBMC
Address Line 1: 601 W MAIN AVE
Address Line 2: SUITE 1300

Address Line 4: SPOKANE, WASHINGTON 99201

ATTORNEY DOCKET NUMBER:	356779.01
NAME OF SUBMITTER:	CHRISTOPHER J. CULBERSON
SIGNATURE:	/Christopher J. Culberson/

503260953 PATENT REEL: 035393 FRAME: 0475

DATE SIGNED: 04/13/2015			
Fotal Attachments: 16			
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PATENT REEL: 035393 FRAME: 0476

	PATENT A	SSIGNMENT	MS Docket No.: <u>356779.01</u>
inventor of	subject matter ("		nal inventor or an original joint and/or claimed in a patent TION"), which:
•	ASSIGNEE'S legal in LLC., One Microsoft LEGAL REPRESENT onthe following Office	ASSIGNOR hereby authorepresentative, Microsoft tway, Redmond, Washing ATIVES), to insert here and given Application e	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed Noby
		ary 27, 2015 and was give following Office "U.S.";	n Application No
behalf of itse of acquiring, priority, in th derived there	If and its successors the entire and existence the invention and the from, such as cont	and assigns ("ASSIGNEE") clusive rights, title and in he APPLICATION (and all c inuing applications, in wh	Ilimited liability company, on is entitled to, and is desirous terest, including the right of other applications and patents nole or in part, in and for the PLICATION DERIVATIVES"));
to insert the	Application No. f	ling data and Office into	EE'S LEGAL REPRESENTATIVES the following table for any Office
Application	No.	Filing Date	Office
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Page 1 of 2

MS Docket No.: 356779.01

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).

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1 Inventor's signature	13-APRIL-2015
Inventor's Kinnetura	About the state of
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Niraj S. Khanchandani	
Printed Name in English	CHILDREN TO THE TOTAL THE
en same in English	Printed Name in Native Language
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original join	t inventor of subjec		the original inventor or an isclosed and/or claimed in a PPLICATION"), which:
	ASSIGNEE'S legal in LLC., One Microsof LEGAL REPRESENT on the following Office	ASSIGNOR hereby authorepresentative, Microsoft it Way, Redmond, Washing ATIVES), to insert here and given Application e blication No., filing date, and given authore and given was also before the control of	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed No by) this
		ary 27, 2015 and was give e following Office " <u>U.S.</u> ";	n Application No
behalf of itse of acquiring priority, in the derived there United States	elf and its successors, the entire and exc ne INVENTION and the efrom, such as cont s, its territories, and	s and assigns ("ASSIGNEE") clusive rights, title and in he APPLICATION (and all o tinuing applications, in wh all foreign countries ("API	limited liability company, on, is entitled to, and is desirous terest, including the right of ther applications and patents nole or in part, in and for the PLICATION DERIVATIVES"));
	e Application No., f N DERIVATIVES after	_	o the following table for any
Application	No.	Filing Date	Office

MS Docket No.: <u>356779.01</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"));

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Mr.H.	3/24/15
nventor's Signature	Date
Alexander Marliave Hehmeyer	
Printed Name in English	Printed Name in Native Language (if other than English)

REEL: 035393 FRAME: 0480

# PATENT ASSIGNMENT MS Docket No.: 356779.01

inventor of	subject matter ("I	SSIGNOR") am the orig NVENTION") disclosed ad Permissions" ("APPLI	and/or claimed	
	ASSIGNEE'S legal r LLC., One Microsoft LEGAL REPRESENT. on the following Office	ASSIGNOR hereby au epresentative, Microso t Way, Redmond, Washi ATIVES), to insert he and given Applicati e blication No., filing date	oft Technology Lice ngton 98052 (ASSIC re in parentheses ion No.	ensing, GNEE'S (filed by _) this
		ary <u>27, 2015</u> and was g following Office " <u>U.S.</u> "		>
behalf of itse of acquiring priority, in the derived there United States ASSIG to insert the	If and its successors the entire and excessors the invention and the from, such as cont this, its territories, and NOR hereby authori the Application No., f	ensing, LLC, a Washing and assigns ("ASSIGNE lusive rights, title and he APPLICATION (and a inuing applications, in all foreign countries ("zes, and requests, ASSI ling date, and Office	E"), is entitled to, and interest, including all other application whole or in part, in the control of the cont	nd is desirous  If the right of  If and patents  If and for the  If ATIVES"));  IESENTATIVES
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Page 1 of 2

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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John	03/16/2015
Inventor's Signature	Date
Suresh Parameshwar	
Printed Name in English	Printed Name in Native Language
	(if other than English)

l <u>Niss</u>	<u>im Natanov</u> ("ASSIO	GNOR") am the original i	nventor or an original joint
inventor of	subject matter ("	INVENTION") disclosed a	nd/or claimed in a patent
application entitled " <u>Identities and Permissions</u> " ("APPLICATION"), which:			
аррисаной с	<u></u>	<u> </u>	,,,
		ASSIGNOR hereby autho	•
	LLC., One Microsof	representative, Microsoft t Way, Redmond, Washingt	on 98052 (ASSIGNEE'S
		ATIVES), to insert here	•
		and given Application	
	the following Offic	e	) this
	APPLICATION's App	olication No., filing date, ar	nd Office, when known;
$\boxtimes$	was filed on Februa	<u>ary 27, 2015</u> and was give	n Application No
	14/634,590 by the	following Office " <u>U.S.</u> ";	
Micro	soft Technology Lice	ensing, LLC, a Washington	limited liability company, on
behalf of itse	elf and its successors	s and assigns ("ASSIGNEE"),	is entitled to, and is desirous
		_	terest, including the right of
· · · · · · · · ·		<del>-</del>	ther applications and patents
			ole or in part, in and for the
			PLICATION DERIVATIVES"));
Officed States	s, its territories, and	an foreign countries ( Air	EICATION DERIVATIVES //,
ASSIG	NOR hereby authori	zes, and requests, ASSIGN	EE'S LEGAL REPRESENTATIVES
to insert the	Application No., f	iling date, and Office into	the following table for any
APPLICATION	N DERIVATIVES after	they are known;	
Application	No.	Filing Date	Office

MS Docket No.: <u>356779.01</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"));

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Inventor's Signature	3/9/2015 Date
Nissim Natanov Printed Name in English	Printed Name in Native Language (if other than English)

inventor of	subject matter ("I		inventor or an original join ind/or claimed in a paten TION"), which:
7.	ASSIGNEE'S legal r LLC., One Microsof LEGAL REPRESENT on the following Office	ASSIGNOR hereby authorepresentative, Microsoft tway, Redmond, Washing ATIVES), to insert here and given Application	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed No
	APPLICATION's App	olication No., filing date, a	nd Office, when known;
$\boxtimes$	was filed on Februs	ary 27, 2015 and was give	n Application No
		following Office " <u>U.S.</u> ";	
priority, in the derived there United States ASSIG	ne INVENTION and the inverse section in the i	he APPLICATION (and all clinuing applications, in when all foreign countries ("AP zes, and requests, ASSIGN	iterest, including the right o other applications and patents nole or in part, in and for the PLICATION DERIVATIVES")); HEE'S LEGAL REPRESENTATIVES
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MS Docket No.: 356779.01

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	03/11/2015
Inventor's Signature	Date
Maryam Khabazan	
Printed Name in English	Printed Name in Native Language
	(if other than English)

# PATENT ASSIGNMENT MS Docket No.: 356779.01

I <u>Shoaev S. Hares</u> ("A	ASSIGNOR") am the or	iginal inventor or an origin	al joint
inventor of subject matter			•
application entitled "Identitie			parone
application entitled <u>lucititue</u>	S allu i ellilissiolis (A	TILICATION ), WIIICII.	
ASSIGNEE'S leg LLC., One Micro LEGAL REPRESI on the following O	al representative, Micosoft Way, Redmond, WENTATIVES), to inserted	authorizes, and requests rosoft Technology Licensing ashington 98052 (ASSIGNEE's here in parentheses (filed ication No	I, S d y s
oxtimes was filed on Fel	<u>bruary 27, 2015</u> and w	as given Application No	
14/634.590 bv	the following Office "L	J.S.":	
		,	
behalf of itself and its succes of acquiring, the entire and priority, in the INVENTION ar derived therefrom, such as of United States, its territories,	sors and assigns ("ASSI exclusive rights, title and the APPLICATION (and the Applications)	and interest, including the nd all other applications and s, in whole or in part, in and	lesirous right of patents for the
ASSIGNOR hereby auth	norizes, and requests, .	ASSIGNEE'S LEGAL REPRESENT	<b>FATIVES</b>
to insert the Application No	., filing date, and Off	ice into the following table	for any
APPLICATION DERIVATIVES a	fter 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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Leey Greek	3/23/15
Inventor's Signature	Date
Shoaev S. Hares	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Misr</u>	<u>ak G. Ararso</u> ("ASS	SIGNOR") am the original	inventor or an original join
inventor of	subject matter ('	"INVENTION") disclosed	and/or claimed in a paten
application e	intitled " <u>identities a</u>	<u>nd Permissions</u> " ("APPLICA	\TION"), which:
	ASSIGNEE'S legal LLC., One Microsol LEGAL REPRESENT on the following Office	ASSIGNOR hereby auth representative, Microsoft ft Way, Redmond, Washing [ATIVES], to insert here and given Application to make the manager of	Technology Licensing, ston 98052 (ASSIGNEE'S in parentheses (filed by Licensing) this
	was filed on <u>Febru</u>	<u>ary 27, 2015</u> and was give	en Application No
		following Office " <u>U.S.</u> ";	
priority, in th derived there United States ASSIGI to insert the	e INVENTION and terrom, such as constitution, such as constitution, its territories, and NOR hereby authorication No., f	he APPLICATION (and all o tinuing applications, in wi I all foreign countries ("AP zes, and requests, ASSIGN	iterest, including the right of other applications and patents hole or in part, in and for the PLICATION DERIVATIVES"));  IEE'S LEGAL REPRESENTATIVES the following table for any
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generaci		
		03/30/16
	Inventor's Signature	Date
	Misrak G. Ararso	90 x 64 733 8661
	Printed Name in English	Printed Name in Native Language
		(if other than English)

			inventor or an original joint
inventor of	subject matter ("	INVENTION") disclosed a	nd/or claimed in a patent
application e	ntitled " <u>Identities ar</u>	nd Permissions" ("APPLICA"	ΠΟΝ"), which:
	ASSIGNEE'S legal in LLC., One Microsof LEGAL REPRESENT on the following Office	ASSIGNOR hereby authorepresentative, Microsoft tway, Redmond, Washing ATIVES), to insert here and given Application e	Technology Licensing, con 98052 (ASSIGNEE'S in parentheses (filed No by) this
$\boxtimes$	was filed on Februa	ary 27, 2015 and was give	n Application No
	14/634,590 by the	following Office " <u>U.S.</u> ";	
of acquiring, priority, in the derived there United States	, the entire and exc ne INVENTION and the efrom, such as cont s, its territories, and	clusive rights, title and in he APPLICATION (and all o inuing applications, in wh all foreign countries ("API	is entitled to, and is desirous terest, including the right of ther applications and patents ole or in part, in and for the PLICATION DERIVATIVES"));
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	No.		Office
Application	INU.	rining Date	Office

MS Docket No.: <u>356779.01</u>

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Modul Digital Inventor's Signature	3/23/2015 Date
Nicholas A. Bigelow	
Printed Name in English	Printed Name in Native Language
	(if other than English)

RECORDED: 04/13/2015