PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3394778

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GISELLI PANONTINI DESOUZA SANA	06/09/2015
AMIT GUPTA	06/08/2015
SANGYA SINGH	06/09/2015
NARESH SUNDARAM	06/09/2015
TOM LAIRD-MCCONNELL	06/01/2015
JOHANNES GEHRKE	06/09/2015

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14737686

CORRESPONDENCE DATA

Fax Number: (885)616-1111

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.

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Email: IP-Paralegal@turkiplaw.com

Correspondent Name: MICROSOFT TECHNOLOGY LICENSING, LLC

Address Line 1: ONE MICROSOFT WAY
Address Line 2: C/O ASSAL MEFTAHI

Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	357352.01
NAME OF SUBMITTER:	CARL K TURK
SIGNATURE:	/Carl K Turk/
DATE SIGNED:	06/12/2015

503348158 PATENT REEL: 035903 FRAME: 0140

Total Attachments: 12	
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PATENT REEL: 035903 FRAME: 0141

PATENT ASSIGNMENT MS Docket No.: 357352.01

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original joint is	*		isclosed and/or claimed in a
• • • • • • • • • • • • • • • • • • • •		"TAGS IN COMMU	<u> VICATION ENVIRONMENTS</u>
("APPLICATION"	"), which:		
A LI O th	SSIGNEE'S legal r LC., One Microsoft EGAL REPRESENTA n June 12, 2015 ne following Office	ASSIGNOR hereby author epresentative, Microsoft Way, Redmond, Washing ATIVES), to insert here and given Application U.S. Patent and Traden whication No., filing date, and and the control of the control	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed No. 14/737,686 by mark Office) this
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behalf of itself of acquiring, to priority, in the derived therefr	and its successors he entire and exc INVENTION and th om, such as cont	and assigns ("ASSIGNEE") lusive rights, title and in ne APPLICATION (and all o inuing applications, in wh	limited liability company, or is entitled to, and is desirous terest, including the right of ther applications and patents tole or in part, in and for the PLICATION DERIVATIVES"));
ASSIGNO	OR hereby authoriz	es, and requests, ASSIGN	EE'S LEGAL REPRESENTATIVES
			o the following table for any
APPLICATION D	DERIVATIVES after	they are known;	7
Application No	0.	Filing Date	Office
			
			
			
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MS Docket No.: 357352.01

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).

Inventor's Signature

Date

Giselli Panontini DeSouza Sana

Printed Name in English

Printed Name in Native Language

(if other than English)

PATENT ASSIGNMENT MS Docket No.: 357352.01

I Amit Gupta ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "TAGS IN COMMUNICATION ENVIRONMENTS" ("APPLICATION"), which:

will	be	filed.	ASSIGNOR	hereby	autho	orizes,	and	requests
ASSI	GNE	E'S lega	representa	tive, Mic	rosoft	Techno	ology	Licensing
LLC.	, On	e Micros	oft Way, Red	mond, W	ashing	ton 98	052 (A	SSIGNEE'S
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was	filed	on		and was	given /	Applica	tion	
No _	000077777	************************	by the f	ollowing	Office	!		
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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.	8	Office
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MS Docket No.: 357352.01

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).

	6/8/2015
Inventor's Signature	Date
Amit Gupta	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 357352.01

I <u>Sangya Singh</u> ("ASSIGNOR") am the original inventor or an original joint Inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>TAGS IN COMMUNICATION ENVIRONMENTS</u>" ("APPLICATION"), which:

\boxtimes	will be filed. ASSIGNOR hereby authorizes, and requests,
	ASSIGNEE'S legal representative, Microsoft Technology Licensing,
	LLC., One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S
	LEGAL REPRESENTATIVES), to insert here in parentheses (filed on $\underbrace{\text{June } 12,2015}_{\text{and given Application No.}}_{\text{and given Application No.}}_{\text{14}/737,686}$ by
	the following Office U.S. Patent and Trademark Office) this
	APPLICATION's Application No., filing date, and Office, when known;
	was filed on and was given Application
	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:

Application No.	mee

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).

	Jangya Jung	6/9/2015			
***************************************	Inventor's Signature	Oate			
	Sangya Singh				
	Printed Name in English	Printed Name in Native Language (if other than English)			

MS Docket No.: 357352.01

MS Docket No.: 357352.01 I Naresh Sundaram ("ASSIGNOR") am the original inventor or an original joint Inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "TAGS IN COMMUNICATION ENVIRONMENTS" ("APPLICATION"), which:

\boxtimes	will	be 1	filed.	ASSIGNOR	hereby	autho	orizes,	and	requ	iests,
	ASSIC	INEE'	S legal	representa	itive, Mici	rosoft	Techno	ology	Licen	ısing,
	LLC.,	One	Microso	oft Way, Red	lmond, W	ashing	ton 98	052 (A	SSIG	NEE'S
				TATIVES), $\frac{5}{2}$ and g			•			
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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.	mittan masa	Office
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MS Docket No.: 357352.01

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).

J. Naresl	6/9/2015		
Inventor's Signature	Date		
Naresh Sundaram			
Printed Name in English	Printed Name in Native Language		
,	(if other than English)		

I Tom Laird-McConnell ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "TAGS IN COMMUNICATION ENVIRONMENTS" ("APPLICATION"), which: will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representative, Microsoft Technology Licensing, LLC., One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on June 12, 2015 and given Application No. 14/737,686the following Office U.S. Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known; was filed on ______ and was given Application 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; Application No. Office Filing Date

Page 1 of 2

MS Docket No.: 357352.01

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Inventor's Signature	6-1-2015 Date
Tom Laird-McConnell	
Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No.: 357352.01

MS Docket No.: 357352.01 I Johannes Gehrke ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "TAGS IN COMMUNICATION ENVIRONMENTS" ("APPLICATION"), which: will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representative, Microsoft Technology Licensing, LLC., One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on June 12, 2015 and given Application No. 14/737,686 by the following Office U.S. Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known; was filed on _____ and was given Application 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; Office Filing Date Application No.

MS Docket No.: 357352.01

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7.4 /-	6/9/2015
Inventor's Signature	Date
Johannes Gehrke	
Printed Name in English	Printed Name in Native Language
	(if other than English)