PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MAXIM IVANOV	08/05/2016
SAMARTH PAI	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:	14582953

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ATTORNEY DOCKET NUMBER:	MS1-5684USC1
NAME OF SUBMITTER:	LYNNE MAHAN
SIGNATURE:	/Lynne Mahan/
DATE SIGNED:	08/08/2016

Total Attachments: 4

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PATENT 503949982 REEL: 039368 FRAME: 0480

MS Docket No.: 319065
Attorney Docket No.: MS1- 5684USC1

	Maxim Ivano	ov("ASSIGN	OR") am the original inventor
or an origina	.l joint inventor of su	bject matter ("INVENTION") disclosed and/or claimed in
	lication entitled		
		TIONALITY OF WEB-BASED A	PPLICATIONS
("APPLICATIO	DN"), which:		
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		ASSIGNOR hereby autho	
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		t Way, Redmond, Washingt	
		ATIVES), to insert here	
		and given Application	
		<u> US United States Patent</u>	
		s Application No., filing d	ate, and Office, when
	known;		
\boxtimes	was filed on 12/	24/2014 and was given A	pplication
		by the following Office	
	Patent and Tradem		
		(
Micro:	soft Technology Lice	ensing, LLC, a Washington	limited liability company, on
			is entitled to, and is desirous
			terest, including the right of
			ther applications and patents
derived there	efrom, such as cont	inuing applications, in wh	ole or in part, in and for the
United States	, its territories, and	all foreign countries ("APF	PLICATION DERIVATIVES"));
			*
ASSIG	NOR hereby authori	zes, and requests, ASSIGN	EE'S LEGAL REPRESENTATIVES
to insert the	: Application No., fi	iling date, and Office into	the following table for any
APPLICATION	N DERIVATIVES after	they are known;	7
Application	No.	Filing Date	Office

Application No.	Filing Date	Office
Application No.		
)	

MS Docket No.: 319065

Attorney Docket No.: MS1-5684USC1

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

Maxim Ivanov

Printed Name in English

08/05/16

Date

Makcum Ukanob

Printed Name in Native Language

(if other than English)

PATENT ASSIGNMENT	MS Docket No.:	319065
	Attomey Docket No.:	MS1- 5884USC1
I Samarth Pai		
or an original joint inventor of subject	matter ("INVENTION") disclo	sed and/or claimed in
a patent application entitled		
EXTENDING FUNCTIONA	ILITY OF WEB-BASED APPLICA	TIONS
("APPLICATION"), which:		
LLC., One Microsoft Way LEGAL REPRESENTATIVE ona the following Office <u>US</u>	NOR hereby authorizes, entative, Microsoft Techno, Redmond, Washington 980 (S), to insert here in part of given Application NoUnited States Patent and Trailication No., filing date, and	logy Licensing, 52 (ASSIGNEE'S entheses (filed by idemark Office)
was filed on 12/24/201 No 14/582,953 by Patent and Trademark O	the following Office <u>US – Ur</u>	
Microsoft Technology Licensing behalf of itself and its successors and of acquiring, the entire and exclusive priority, in the INVENTION and the AP derived therefrom, such as continuing United States, its territories, and all for	assigns ("ASSIGNEE"), is entit e rights, title and interest, PLICATION (and all other ap g applications, in whole or i	ded to, and is desirous including the right of plications and patents in part, in and for the
ASSIGNOR hereby authorizes, a to insert the Application No., filing to Application No.	date, and Office into the fo	
APPLICATION DERIVATIVES after they Application No. Filin	g Date Office	
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MS Docket No.: 319065

Attorney Docket No.: MS1-5684USC1

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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).

C 5 /	12/7/15
Inventor's Signature	Date
Samarth Pal	
Printed Name in English	Printed Name in Native Language
	(if other than English)