PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3916607

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MATTHAI PHILIPOSE	05/20/2016
HAICHEN SHEN	05/20/2016
ALASTAIR WOLMAN	06/13/2016
SHARAD AGARWAL	05/06/2016

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:	15148900

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.

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Address Line 4: SPOKANE, WASHINGTON 99201

ATTORNEY DOCKET NUMBER:	359299.01	
NAME OF SUBMITTER:	ALLAN T. SPONSELLER	
SIGNATURE:	/Allan T. Sponseller, Reg. #38,318/	
DATE SIGNED:	06/14/2016	

Total Attachments: 8

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PATENT 503869958 REEL: 038907 FRAME: 0529

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PATENT REEL: 038907 FRAME: 0530

	PATENT ASS	SIGNMENT	MS Docket No).: <u>359299.01</u>
inventor of su	ubject matter ("IN\	/ENTION") discl	riginal inventor or ar osed and/or claimed <u>ised On Class Skew</u> " ("	d in a patent
Πw	ill be filed. AS	SIGNOR hereby	authorizes, and r	equests.
LI LE OI	.C., One Microsoft V EGAL REPRESENTAT	Vay, Redmond, V TVES), to inser and given App	crosoft Technology Li Vashington 98052 (AS: t here in parenthese lication No.	SIGNEE'S es (filed by
	le following Offic PPLICATION's Applic		date, and Office, wher	
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⊠w	as filed on <u>May 6, 2</u>	016 and was giv	en Application No	***
<u>1!</u>	<u>5/148,900</u> by the fo	ollowing Office "	<u>U5</u> ";	
behalf of itself a of acquiring, the priority, in the derived therefr	and its successors a ne entire and exclu INVENTION and the om, such as contin	nd assigns ("ASS sive rights, title APPLICATION (a uing application	hington limited liabilit IGNEE"), is entitled to, and interest, includit nd all other applications, in whole or in part, les ("APPLICATION DEF	and is desirous ng the right of ons and patents , in and for the
to insert the A	•	ng date, and Of	ASSIGNEE'S LEGAL REI	
Application No		iling Date	Office	
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Page 1 of 2

MS Docket No.: <u>359299.01</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"));

	5/20/2016
Inventor's Signature	Date
Matthai Philipose	
Printed Name in English	Printed Name in Native Language
	(if other than English)

	PATENT A	SSIGNMENT	MS Docket No.: <u>359299.01</u>
of subject ma	atter ("INVENTION") o		or or an original joint inventor n a patent application entitled ICATION"), which:
	ASSIGNEE'S legal r LLC., One Microsof LEGAL REPRESENT on the following Of	ASSIGNOR hereby author epresentative, Microsoft tway, Redmond, Washing ATIVES), to insert here and given Application fice	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed Noby) this
\boxtimes		<u>, 2016</u> and was given App following Office " <u>US</u> ";	lication No
behalf of itse of acquiring, priority, in th derived there	If and its successors the entire and exc te INVENTION and the efrom, such as cont	s and assigns ("ASSIGNEE") clusive rights, title and in ne APPLICATION (and all c inuing applications, in wh	I limited liability company, on , is entitled to, and is desirous sterest, including the right of other applications and patents nole or in part, in and for the PLICATION DERIVATIVES"));
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	Application No., 11 I DERIVATIVES after	-	o the following table for any
Application	No.	Filing Date	Office

MS Docket No.: 359299.01

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"));

Hateler Show	5/20/2016
Inventor's Signature	Date
Haichen Shen	沈海晨
Printed Name in English	Printed Name in Native Language
	(if other than English)

	PATENT.	ASSIGNMENT	MS Docket No.:	<u>359299.01</u>
inventor of	subject matter ("INVENTION") discl	riginal inventor or an osed and/or claimed sed On Class Skew" ("A	in a patent
	ASSIGNEE'S legal LLC., One Microso LEGAL REPRESEN on the following (representative, Micoft Way, Redmond, W TATIVES), to insert and given Appl Office	authorizes, and re- rosoft Technology Lice ashington 98052 (ASSI) here in parentheses lication No date, and Office, when l	ensing, GNEE'S (filed by) this
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behalf of itse of acquiring priority, in th derived there United States	If and its successo the entire and ex ne INVENTION and efrom, such as cor s, its territories, an	rs and assigns ("ASSI cclusive rights, title the APPLICATION (a ntinuing applications d all foreign countri	nington limited liability GNEE"), is entitled to, a and interest, including nd all other application i, in whole or in part, i es ("APPLICATION DERI"	nd is desirous
to insert the		filling date, and Off	ASSIGNEE'S LEGAL REPF ice into the following	
Application	***************************************	Filing Date	Office	

Page 1 of 2

MS Docket No.: <u>359299.01</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"));

Alastuir Wolmen	6/13/2016
Inventor's Signature	Date
Alastair Wolman	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT MS Docket No.: 359299.01

inventor of	subject matter ("I	NVENTION") disclosed a	nventor or an original join nd/or claimed in a paten [:] <u>Class Skew</u> " ("APPLICATION")
	ASSIGNEE'S legal r LLC., One Microsof LEGAL REPRESENT on 05/06/2016 the following Of	ASSIGNOR hereby author epresentative, Microsoft tway, Redmond, Washingth ATIVES), to insert here and given Application the US olication No., filing date, ar	Technology Licensing, con 98052 (ASSIGNEE'S in parentheses (filed No. 15/148,900 by this
	No	and was given A by the following Office ";	pplication
behalf of itse of acquiring, priority, in th derived there United States	If and its successors the entire and exce e INVENTION and the from, such as cont , its territories, and	s and assigns ("ASSIGNEE"), clusive rights, title and in ne APPLICATION (and all o inuing applications, in wh all foreign countries ("APF	limited liability company, or 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"));
to insert the	Application No., fi	ling date, and Office into	the following table for any
APPLICATION DERIVATIVES after Application No.		they are known; Filing Date	Office
Application	110.	Timing Date	Office

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"));

Shapil	
	5/6/2016
Inventor's Signature	Date
Sharad Agarwal	
Printed Name in English	Printed Name in Native Language
	(if other than English)