504174667 01/11/2017

PATENT ASSIGNMENT COVER SHEET

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Electronic Version v1.1
Stylesheet Version v1.2

 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GAUTAM BHAKAR	01/10/2017
MIHIR S. RAY	01/11/2017
THOMAS W. MILLETT	01/11/2017

RECEIVING PARTY DATA

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Street Address:	ONE MICROSOFT WAY	
City:	REDMOND	
State/Country:	WASHINGTON	
Postal Code:	98052	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15404130

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ATTORNEY DOCKET NUMBER:	14917.3086US01/401072USNP
NAME OF SUBMITTER:	CHRISTOPHER J. LEONARD
SIGNATURE:	/Christopher J. Leonard/
DATE SIGNED:	01/11/2017

Total Attachments: 6

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PATENT REEL: 040951 FRAME: 0288

PATENT ASSIGNMENT

I <u>Gautam Bhakar</u> ("ASSIC inventor of subject matter ("application entitled "METHOD ("APPLICATION"), which:	INVENTION") disclosed a	•
ASSIGNEE'S legal LLC, One Microsof LEGAL REPRESENT on January 17 No. 15/404,130	ASSIGNOR hereby authorepresentative, Microsoft t Way, Redmond, Washing FATIVES), to insert here 1, 2017 and by the following Office this APPLICATICE, when known;	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed given Application e <u>US – United States</u>
•	and was given a	
Microsoft Technology Lid behalf of itself and its success desirous of acquiring, the entire right of priority, in the INVENTION patents derived therefrom, such for the United States, its to DERIVATIVES"));	ssors and assigns ("ASSIG re and exclusive rights, ti ON and the APPLICATION of the as continuing application	tle and interest, including the (and all other applications and ns, in whole or in part, in and
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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).

PATENT ASSIGNMENT

I Mihir S. Ray ("ASSIGNOR of subject matter ("INVENTION entitled "METHODS AND ("APPLICATION"), which:	") disclosed and/or clair	
ASSIGNEE'S legal in LLC, One Microsoft LEGAL REPRESENT on January 11 No. 15/404,130 Patent and Tradent filing date, and Office.		Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed given Application e <u>US – United States</u> TION's Application No.,
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Microsoft Technology Licobehalf of itself and its success desirous of acquiring, the entire right of priority, in the INVENTION patents derived therefrom, such for the United States, its to DERIVATIVES"));	isors and assigns ("ASSIC re and exclusive rights, ti DN and the APPLICATION (n as continuing application)	tle and interest, including the (and all other applications and ns, in whole or in part, in and
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MsRoz.	1-11-17
Inventor's Signature	Date
Mihir S. Ray	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

inventor of	subject matter (entitled "METHOD	"INVENTION") disclosed	l inventor or an original joint and/or claimed in a patent APPLICATION RENDERING"
	ASSIGNEE'S legal LLC, One Microso LEGAL REPRESENT on January 1 No. 15/404,130 Patent and Trade filing date, and Of was filed on	ASSIGNOR hereby auth representative, Microsoft ft Way, Redmond, Washing TATIVES), to insert here 1, 2017 and by the following Office mark Office) this APPLICATICE, when known; and was given	Technology Licensing, ston 98052 (ASSIGNEE'S in parentheses (filed given Application to US - United States TION's Application No.,
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behalf of its desirous of a right of prior patents deriv	self and its succe acquiring, the enti rity, in the INVENTI ved therefrom, suc ited States, its t	ssors and assigns ("ASSIO re and exclusive rights, ti ON and the APPLICATION of h as continuing applicatio	n limited liability company, on GNEE"), is entitled to, and is tle and interest, including the (and all other applications and ns, in whole or in part, in and gn countries ("APPLICATION
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CA W TM	1-11-2017
Inventor's Signature	Date
Thomas W. Millett	
Printed Name in English	Printed Name in Native Language
	(if other than English)