503721149 03/03/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3767790

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DOUGLAS C. BURGER	03/02/2016
AARON L. SMITH	02/26/2016

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15060413

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NAME OF SUBMITTER:	OGNYAN I. BEREMSKI
SIGNATURE:	/Ognyan I. Beremski/
DATE SIGNED:	03/03/2016

Total Attachments: 4

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> **PATENT** REEL: 037888 FRAME: 0364 503721149

PATENT ASSIGNMENT

	("INVENTION") disclosed a	iginal inventor or an original joint and/or claimed in a patent CATION"), which:
legal repre Microsoft REPRESEN and given United Sta	esentatives, of Microsoft T Way, Redmond, Washington FATIVES) to insert here in $15/060,4$	norizes, and requests, ASSIGNEE'S Fechnology Licensing, LLC., One on 98052 (ASSIGNEE'S LEGAL parentheses (filed on 3/3/2016 413 by the following Office of Office) this APPLICATION's fice, when known;
		ven Application No by Patent and Trademark Office";
behalf of itself and its such desirous of acquiring, the right of priority, in the INV	cessors and assigns ("ASS entire and exclusive right ENTION and the APPLICA' , such as continuing appli	nington limited liability company, or SIGNEE"), is entitled to, and is ts, title and interest, including the TION (and all other applications an ications, in whole or in part, in and countries ("APPLICATION
•	o., filing date, and Office	ASSIGNEE'S LEGAL REPRESENTATIVE into the following table for any
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));

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	3/2/2016 Date
Douglas C. Burger	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

I, Aaron L. Smith ("ASSIGN inventor of subject matter ("INVE application entitled "WRITE NULL		claimed in a patent
legal representation legal rep	tives, of Microsoft Technol edmond, Washington 980 (S) to insert here in parent	52 (ASSIGNEE'S LEGAL heses (filed on <u>3/3/2016</u> , by the following Office:) this APPLICATION's
	and was given App fice "United States Patent a	•
behalf of itself and its successor desirous of acquiring, the entire right of priority, in the INVENTIO patents derived therefrom, such for the United States, its territori DERIVATIVES"));	s and assigns ("ASSIGNEE") and exclusive rights, title N and the APPLICATION (a as continuing applications	and interest, including the nd all other applications and in whole or in part,in and
ASSIGNOR hereby authorized insert the Application No., filing APPLICATION DERIVATIVES after	ng date, and Office into th	EE'S LEGAL REPRESENTATIVES e following table for any
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

PATENT REEL: 037888 FRAME: 0367

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).

agnon Smith	February 26, 2016
Inventor's Signature	Date
Aaron L. Smith	
Printed Name in English	Printed Name in Native Language (if
	other than English)