PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3992257

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRISTIAN CANTON	07/20/2016
JOHN CAMPBELL	07/19/2016
SAMUEL C. RADAKOVITZ	07/28/2016
MATTHEW HART FICHTNER	07/18/2016
CARLOS AUGUSTO OTERO	07/25/2016
BENJAMIN EDWARD RAMPSON	07/20/2016

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:	15199953

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 612-332-5300

Email: usdocket@microsoft.com

Correspondent Name: MERCHANT & GOULD (MICROSOFT)

Address Line 1: P.O. BOX 2903

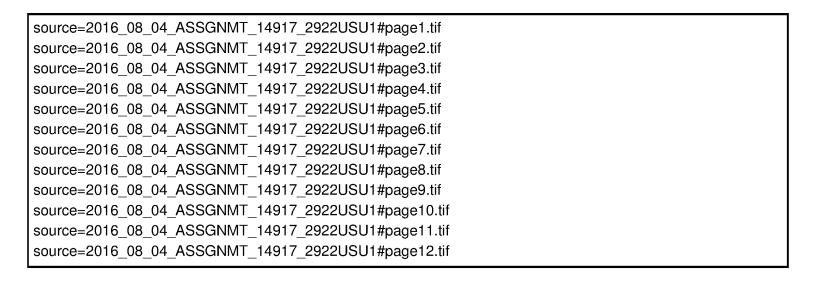
Address Line 4: MINNEAPOLIS, MINNESOTA 55402-0903

ATTORNEY DOCKET NUMBER:	14917.2922USU1/360479.01
NAME OF SUBMITTER:	KATHLEEN E. OTT
SIGNATURE:	/Kathleen E. Ott/
DATE SIGNED:	08/04/2016

Total Attachments: 12

PATENT REEL: 039340 FRAME: 0399

503945601



PATENT REEL: 039340 FRAME: 0400

I <u>Christian Canton</u> ("ASS inventor of subject matter (application entitled " <u>OPERATION</u> <u>SPREADSHEETS</u> " ("APPLICATION"	"INVENTION") disclosed a	•
ASSIGNEE'S legal LLC, One Microsof LEGAL REPRESEN on No. Patent and Trader	ASSIGNOR hereby auth representative, Microsoft ft Way, Redmond, Washing TATIVES), to insert here and by the following Offimark Office) this APPLICATICE, when known;	Technology Licensing, iton 98052 (ASSIGNEE'S in parentheses (filed given Application ce <u>US – United States</u>
	30, 2016 and was given A e following Office " <u>US – Ur</u> ;	
Microsoft Technology Lid behalf of itself and its success desirous of acquiring, the entity right of priority, in the INVENTIVE patents derived therefrom, such for the United States, its to DERIVATIVES"));	ssors and assigns ("ASSIO re and exclusive rights, ti ON and the APPLICATION (h as continuing applicatio	tle and interest, including the (and all other applications and ns, in whole or in part, in and
ASSIGNOR hereby REPRESENTATIVES to insert tl following table for any APPLICA		g date, and Office into the
Application No.	Filing Date	Office

Page 1 of 2

MS Docket No.: 360479.01

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).

Δ	
Quil.	7/20(16
Inventor's Signature	Date
Christian Canton	
Printed Name in English	Printed Name in Native Language (if other than English)

inventor of application	subject matte	SSIGNOR") am the (r ("INVENTION") dis <u>ATIONS ON SOUND</u> ON"), which:	closed and/or clai	med in a patent
	ASSIGNEE'S leg LLC, One Micro LEGAL REPRES on No Patent and Tra	ASSIGNOR herelgal representative, Nosoft Way, Redmond, ENTATIVES), to insite a second by the follow demark Office) this controlled the controlled by the follow demark Office this controlled the controlled by the follow demark Office this controlled by the follow the controlled by the follow demark Office the controlled by the follow the fo	licrosoft Technology Washington 98052 ert here in parentl nd given ring Office <u>US – Ur</u> APPLICATION's Appl	y Licensing, (ASSIGNEE'S heses (filed Application nited States
×		ne 30, 2016 and was the following Office ice";		
behalf of its desirous of a right of prior patents deriv	elf and its suc acquiring, the e ity, in the INVER red therefrom, s ted States, its	Licensing, LLC, a Water cessors and assign ntire and exclusive of NTION and the APPLIC such as continuing a sterritories, and	s ("ASSIGNEE"), is e rights, title and inte CATION (and all othe oplications, in whole	entitled to, and is rest, including the er applications and e or in part, in and
REPRESENTA	TIVES to insert	authorizes, and the Application N	o., filing date, and	d Office into the
Application N	lo.	Filing 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")):

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).

***************************************	·
Anventor's Signature	
John Campbell	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Samuel C. Radakovitz</u> ('inventor of subject matter (application entitled " <u>OPERATION</u> SPREADSHEETS" ("APPLICATION"	"INVENTION") disclosed a	· •
ASSIGNEE'S legal LLC, One Microsof LEGAL REPRESEN on No. Patent and Trader	ASSIGNOR hereby auth representative, Microsoft ft Way, Redmond, Washing TATIVES), to insert here and by the following Offimark Office) this APPLICATICE, when known;	Technology Licensing, gton 98052 (ASSIGNEE'S in parentheses (filed given Application ce US – United States
	30, 2016 and was given A e following Office " <u>US – Ur</u> ;	
Microsoft Technology Lidbehalf of itself and its success desirous of acquiring, the entity right of priority, in the INVENTIFICATION of the United States, its to DERIVATIVES"));	ssors and assigns ("ASSIO re and exclusive rights, ti ON and the APPLICATION of h as continuing applicatio	tle and interest, including the (and all other applications and ns, in whole or in part, in and
ASSIGNOR hereby REPRESENTATIVES to insert tl following table for any APPLICA	• •	g date, and Office into the
Application No.	Filing 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")):

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).

	7/28/2016
Inventor's Signature	Date
Samuel C. Radakovitz	
Printed Name in English	Printed Name in Native Language
	(if other than English)

joint inventor application en	of subject matte	er ("INVENTION") disclosed	iginal inventor or an original d and/or claimed in a patent ASSOCIATED WITH CELLS IN
A L L o N <u>P</u>	SSIGNEE'S legal LC, One Microsof EGAL REPRESEN ⁻ n o atent and Trader	ASSIGNOR hereby auth representative, Microsoft It Way, Redmond, Washing FATIVES), to insert here and by the following Offinark Office) this APPLICATICE, when known;	Technology Licensing, gton 98052 (ASSIGNEE'S in parentheses (filed given Application ce <u>US – United States</u>
1		30, 2016 and was given A e following Office " <u>US – Ur</u> ;	
behalf of itsel desirous of acc right of priority patents derived	f and its succest quiring, the enting, in the INVENTION of therefrom, such	ssors and assigns ("ASSION The and exclusive rights, ti ON and the APPLICATION The as continuing application	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
REPRESENTATI	VES to insert th	authorizes, and requive Application No., filing	g date, and Office into the
Application No		Filing 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"));

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).

Matt Justin Inventor's Signature	7/)8/16 Date
Matthew Hart Fichtner	
Printed Name in English	Printed Name in Native Language
	(if other than English)

inventor of application	subject matte	er ("INVENTION") disc LATIONS ON SOUND	e original inventor or an losed and/or claimed FILES ASSOCIATED WI	in a patent
	will be filed ASSIGNEE'S le LLC, One Micr LEGAL REPRE on No. Patent and Tr	. ASSIGNOR hereb gal representative, M osoft Way, Redmond, ' SENTATIVES), to inse ar by the followi	y authorizes, and rec crosoft Technology Lice Vashington 98052 (ASSI rt here in parentheses id given Appl ng Office <u>US – United</u> PPLICATION's Applicatio	ensing, GNEE'S (filed ication <u>States</u>
⊠			given Application No ' <u>US - United States Paten</u>	<u>t and</u>
behalf of it: desirous of a right of prior patents deriv for the Un DERIVATIVES ASSIG REPRESENTA	self and its su acquiring, the ority, in the INVE yed therefrom, ited States, it "")); NOR hereby TIVES to inser	ccessors and assigns entire and exclusive ri NTION and the APPLIC such as continuing ap s territories, and a authorizes, and	shington limited liability ("ASSIGNEE"), is entitle ghts, title and interest, ATION (and all other app plications, in whole or in I foreign countries (". requests, ASSIGNE ., filing date, and Off after they are known;	d to, and is including the ilications and part, in and APPLICATION
Application h	<u></u>	Filing 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")):

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).

		7/25/16
1	nventor's Sigpature	Date
	Carlos Augusto Otero	
F	Printed Name in English	Printed Name in Native Language
		(if other than English)

I <u>Benjamin Edward Rai</u> Joint inventor of subject ma application entitled " <u>OPERA</u> <u>SPREADSHEETS</u> " ("APPLICATIO	itter ("INVENTION") <u>.TIONS_ON_SOUND</u>	am the original inventor or disclosed and/or claimed FILES ASSOCIATED WITH	in a patent
ASSIGNEE'S leg LLC, One Micro: LEGAL REPRESE on No. Patent and Trac	al representative, A soft Way, Redmond, :NTATIVES), to inso by the follow	by authorizes, and requivalent of the following the following the following the following the following of t	sing, NEE'S (filed ation <u>tates</u>
	the following Office	given Application No " <u>US - United States Patent a</u>	<u>and</u>
Microsoft Technology I behalf of itself and its succ desirous of acquiring, the en right of priority, in the INVEN patents derived therefrom, su for the United States, its DERIVATIVES"));	tessors and assign: tire and exclusive r FION and the APPLIC ich as continuing ap	ights, title and interest, inc CATION (and all other applic oplications, in whole or in p	to, and is cluding the cations and part, in and
ASSIGNOR hereby REPRESENTATIVES to insert ollowing table for any APPLIC	authorizes, and the Application No ATION DERIVATIVES	o., filing date, and Office	S LEGAL into the
Application No.	Filing Date	Office	
**************************************	J.		}

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"));

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).

B-572	7/20/16
Inventor's Signature	Date
Benjamin Edward Rampson	
Printed Name in English	Printed Name in Native Language
	(if other than English)