PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LOUIS CARL PEPIN	03/09/2017
RYAN ALEXANDER DAWSON	03/13/2017
GIANTING YEH	03/22/2017
RITESH RAMBHAI PARIKH	03/13/2017

RECEIVING PARTY DATA

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City:	REDMOND	
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15467923

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	13768.3143
NAME OF SUBMITTER:	JONATHAN W. RICHARDS
SIGNATURE:	/Jonathan W. Richards/
DATE SIGNED:	03/23/2017

Total Attachments: 8

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PATENT 504287631 REEL: 041713 FRAME: 0156



PATENT REEL: 041713 FRAME: 0157

MS Docket No.: <u>362234.01</u> WN Docket No.: <u>13768.3143</u>

of subject ma	tter ("INVENTION")) disclosed and/or claimed in	ventor or an original joint inventor a patent application entitled "In-a Analysis" ("APPLICATION"),	
X	will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S			
	legal representative, Microsoft Technology Licensing, LLC, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on 2017-03-23 and given Application No. 15/467923 by the following Office USPTO) this APPLICATION's Application No., filing date, and Office, when known;			
	was filed on	and was given Appli	cation	
		by the following Office		
Microsoft Technology Licensing, LLC, a Washington limited liability company, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the 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 hereby authorizes, and requests, ASSIGNEE'S LEGAL				
for any APPLI	CATION DERIVAT	IVES after they are known;	nd Office into the following table	
Application N	lo.	Filing Date	Office	

MS Docket No.: <u>362234.01</u> WN Docket No.: <u>13768.3143</u>

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	9/3/2017 Date
Louis Carl Pepin	
Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No.: <u>362234.01</u> WN Docket No.: <u>13768.3143</u>

inventor of sentitled "In-	ubject matter ("INVE	NTION") disclosed and/or	ginal inventor or an original joint claimed in a patent application Selected Via Data Analysis "	
X	will be filed. ASSIC	NOR hereby authorizes, and	I requests, ASSIGNEE'S	
	legal representative, Microsoft Technology Licensing, LLC, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on 2017-03-23 and given Application No. 15/467923 by the following Office USPTO this APPLICATION's Application No., filing date, and Office, when known;			
	was filed on	and was given Applic	eation	
	No	by the following Office		
of itself and it the entire and and the APP continuing ap foreign count ASSIG REPRESENT	es successors and assign exclusive rights, title and LICATION (and all explications, in whole cories ("APPLICATION GNOR hereby a CATIVES to insert the	ns ("ASSIGNEE"), is entitled and interest, including the right other applications and pate or in part, in and for the Unit DERIVATIVES")); authorizes, and request Application No., filing date, a	uited liability company, on behalf do, and is desirous of acquiring, at of priority, in the INVENTION ents derived therefrom, such as ted States, its territories, and all all do, ASSIGNEE'S LEGAL and Office into the following table	
	for any APPLICATION DERIVATIVES after they are known; Application No. Filing Date Office			
	-,			

MS Docket No.: <u>362234.01</u> WN Docket No.: <u>13768.3143</u>

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Asan alexander Dan	March 13, 2017
Inventor's Signature	Date
Ryan Alexander Dawson	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: <u>362234.01</u> WN Docket No.: <u>13768.3143</u>

I <u>Gianting Yeh</u> ("ASSIGN subject matter ("INVENTION") dis Product Notifications Targeting Spectors which:	sclosed and/or claimed in a	or or an original joint inventor of patent application entitled "In-Analysis" ("APPLICATION"),
legal representative, I Way, Redmond, REPRESENTATIVE on <u>2017-03-23</u> following Office Application No., filin	and given Application No	ing, LLC, One Microsoft ASSIGNEE'S LEGAL n parentheses (filed b. 15/467923 by the _) this APPLICATION's
	and was given Applic	ation
		atton
No	by the following Office	
REPRESENTATIVES to insert the	other applications and pate or in part, in and for the Unit DERIVATIVES")); authorizes, and request Application No., filing date, a	nts derived therefrom, such as ted States, its territories, and all its, ASSIGNEE'S LEGAL
for any APPLICATION DERIVAT Application No.	Filing Date	Office
Application 110.	1 mile Date	OHIO
	,	

MS Docket No.: <u>362234.01</u> WN Docket No.: <u>13768.3143</u>

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45	3/22/2017
Inventor's Signature	Date
Gianting Yeh Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No.: <u>362234.01</u> WN Docket No.: <u>13768.3143</u>

inventor of su	ubject matter ("INVE Product Notifications	NTION") disclosed and/or of	nal inventor or an original joint claimed in a patent application Selected Via Data Analysis."
X	will be filed. ASSIC	NOR hereby authorizes, and	requests, ASSIGNEE'S
	Way, Redmond, REPRESENTATIVE on 2017-03-23 following Office	Microsoft Technology Licens Washington 98052 (ACS), to insert here i and given Application No JSPTO ng date, and Office, when kno	ASSIGNEE'S LEGAL n parentheses (filed b. 15/467923 by the) this APPLICATION's
	was filed on	and was given Applic	ation
	No	by the following Office	
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RAParity Inventor's Signature	3/13/2017 Date
Ritesh Rambhai Parikh Printed Name in English	Printed Name in Native Language (if other than English)

RECORDED: 03/23/2017