# 503373330 06/30/2015

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3419952

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
JAMES EDELEN	06/29/2015
JIAN LI	06/26/2015
JOHN FITZGERALD BRONSKILL	06/28/2015
JOHN P. GUIVER	06/26/2015
SARAVANAKUMAR RAJMOHAN	06/29/2015
ARTYOM SADOVSKY	06/26/2015
KASHIF DASTGIR	06/29/2015

### **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:	14755253	

### **CORRESPONDENCE DATA**

**Fax Number:** (865)380-5999

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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**Email:** usdocket@microsoft.com

Correspondent Name: MERCHANT & GOULD (MICROSOFT)

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Address Line 4: MINNEAPOLIS, MINNESOTA 55402-0903

ATTORNEY DOCKET NUMBER:	14917.2420US01/340846.01	
NAME OF SUBMITTER:	CHRISTOPHER J. LEONARD	
SIGNATURE:	/Christopher J. Leonard/	
DATE SIGNED:	06/30/2015	

PATENT 503373330 REEL: 035987 FRAME: 0173

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PATENT REEL: 035987 FRAME: 0174

# PATENT ASSIGNMENT

inventor of	subject matter (		inventor or an original join and/or claimed in a paten " ("APPLICATION"), which:
	ASSIGNEE'S legal LLC., One Mic (ASSIGNEE'S LEG parentheses (filed No. 14/755,253 Patent and Trade)	ASSIGNOR hereby authorepresentative, Microsoft representative, Microsoft way, Redmond GAL REPRESENTATIVES), and June 30, 2015 by the following Offmark Office) this APPLICA ffice, when known;	Technology Licensing, , Washington 98052 to insert here in and given Application ice <u>US – United States</u>
		and was given App the following Office "	lication
behalf of its desirous of a right of prior patents deriv	elf and its succestacquiring, the entire ity, in the INVENTIFIED the therefrom, sucted States, its t	ssors and assigns ("ASSI) re and exclusive rights, ti ON and the APPLICATION 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 ins, in whole or in part, in and ign countries ("APPLICATION
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Application N		Filing Date	Office

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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"));

Inventor's Signature	6/29/2015 Date
James Edelen	
Printed Name in English	Printed Name in Native Language
	(if other than English)

### PATENT ASSIGNMENT

I <u>Jian Li</u> ("ASSIGNOR") an matter ("INVENTION") disclose "PERSONALIZED PREDICTIVE M	d and/or daimed in a	
legal representativ Microsoft Way, Re REPRESENTATIVE June 30, 2015 following Office US	NOR hereby authorizes, and the Microsoft Technology admond, Washington 9805(S), to insert here in and given Application No.  - United States Patent and plication No., filing date, and	Licensing, LLC., One 2 (ASSIGNEE'S LEGAL parentheses (filed on 14/755,253 by the d Trademark Office) this
was filed on following Office "	and was given Applicati	on No by the
of itself and its successors and acquiring, the entire and exclusive INVENTION and the APPLICATIO such as continuing applications, ir and all foreign countries ("APPLICATION")	assigns ("ASSIGNEE"), is a rights, title and interest, income lights, title and interest, income applications whole or in part, in and for ATION DERIVATIVES"));	cluding the right of priority, in the s and patents derived therefrom,
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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

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regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

Trali	26 June 2015
Inventor's Signature Jian Li	Date
Printed Name in English	Printed Name in Native Language (if other than English)

# PATENT ASSIGNMENT

joint inventor	of subject matt		original inventor or an original of and/or claimed in a patent "("APPLICATION"), which:
,   	ASSIGNEE'S legal LLC., One Mic (ASSIGNEE'S LEC parentheses (filed No. 14/755,253 Patent and Trade	ASSIGNOR hereby authorepresentative, Microsoft rosoft Way, Redmond GAL REPRESENTATIVES), and June 30, 2015 by the following Offmark Office) this APPLICA ffice, when known;	Technology Licensing, Washington 98052 to insert here in and given Application ice <u>US – United States</u>
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behalf of itse desirous of a right of priorit patents derive	elf and its succest equiring, the entile ty, in the INVENTI ed therefrom, succeded States, its t	ssors and assigns ("ASSI) re and exclusive rights, ti ON and the APPLICATION 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 ign countries ("APPLICATION
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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).

Inventor's Signature  John Fitzgerald Bronskill	June 28, 2015  Date
Printed Name in English	Printed Name in Native Language (if other than English)

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ı	<u>Johr</u>	P.	<u>Guive</u>	<u>r</u> ("ASS) <u>ت</u>	SIGNOR"	) am	the	original	invento	or	an	orig	ina	l joint
invento	r of	subj	ect i	matter	("INVEN	ITION	") d	isclosed	and/or	clair	ned	in	a	patent
applicat	ion e	ntitle	:d " <u>PE</u>	RSONA	LIZED P	REDIC	TIVE	MODELS	" ("APPLIC	CATI	ON")	, wh	iich	:

$\boxtimes$	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 June 30, 2015 and given Application
	No. 14/755,253 by the following Office US - United States
	Patent and Trademark Office) this APPLICATION's Application No.,
	filing date, and Office, when known;
	was filed on and was given Application
	No by the following Office "
	n,

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 REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known;

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Bhit Sinn	26/6/2015
Inventor's Signature	Date
John P. Guiver	
Printed Name in English	Printed Name in Native Language (if other than English)

# PATENT ASSIGNMENT

I <u>Saravanakumar Rajmohan</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a pate application entitled " <u>PERSONALIZED PREDICTIVE MODELS</u> " ("APPLICATION"), which:	
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 June 30, 2015 and given Application No. 14/755,253 by the following Office US – United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known;	
was filed on and was given Application  No by the following Office "  ";	
Microsoft Technology Licensing, LLC, a Washington limited liability company, of behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and 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"));	is ne nd
ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAREPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known;	
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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"));

Inventor's Signature	06 29 2015 Date
Saravanakumar Rajmohan	
Printed Name in English	Printed Name in Native Language
	(if other than English)

# PATENT ASSIGNMENT

inventor of subje	adovsky ("ASSIGNOR") am 1 ect matter ("INVENTION") d " <u>PERSONALIZED PREDICTI</u> N	disclosed and/or claime	d in a patent
ASSIC LLC., (ASSI parer No. <u>Pater</u>	be filed. ASSIGNOR he GNEE'S legal representative One Microsoft Way, GNEE'S LEGAL REPRESEN on theses (filed on June 30 14/755,253 by the fol ont and Trademark Office) the date, and Office, when kno	, Microsoft Technology L Redmond, Washington NTATIVES), to insert , 2015 and given Ap lowing Office <u>US – Unite</u> iis APPLICATION's Applica	icensing, 98052 here in plication <u>d States</u>
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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).

Inventor's Signature

Onte

Artyom Sadovsky

Printed Name in English

Printed Name in Native Language
(if other than English)

Page 2 of 2

# PATENT ASSIGNMENT

inventor of	subject matter (	("INVENTION") disclosed	l inventor or an original join and/or claimed in a paten <u>S</u> " ("APPLICATION"), which:
	ASSIGNEE'S legal LLC., One Mic (ASSIGNEE'S LEG parentheses (filed No. 14/755,253) Patent and Trade	representative, Microso crosoft Way, Redmon GAL REPRESENTATIVES) d on June 30, 2015 by the following O	thorizes, and requests, oft Technology Licensing, d, Washington 98052, to insert here in and given Application ffice US – United States (ATION's Application No.,
		and was given Apply the following Office "	pplication
behalf of its desirous of a right of prior patents deriv	elf and its succe. cquiring, the entility, in the INVENTI ed therefrom, suc ted States, its t	ssors and assigns ("ASS re and exclusive rights, ON and the APPLICATION h as continuing applicat	con limited liability company, or SIGNEE"), is entitled to, and is title and interest, including the N (and all other applications and ions, in whole or in part, in and eign countries ("APPLICATION
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Worlge	6/29/2015	
Inventor's Signature	Date	
Kashif Dastgir		
Printed Name in English	Printed Name in Native Language (if other than English)	