505773813 11/14/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5820630

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the "JACOB B. DANOVITCH-TATOFF" TO JACOB G. DANOVITCH-TATOFF" AND RECEIVING PARTY CITY FROM "SEATTLE" TO "REDMOND" previously recorded on Reel 050977 Frame 0448. Assignor(s) hereby confirms the ENTIRE RIGHT, TITLE AND INTEREST.

CONVEYING PARTY DATA

Name	Execution Date
ALFREDO AUGUSTO MENENDEZ SANCHO	10/11/2019
ANUJA MILIND JOSHI	10/15/2019
CAROL KUMAR MEKALA	10/11/2019
HANY SALAHELDEEN KHALIL	11/01/2019
JACOB G. DANOVITCH-TATOFF	10/14/2019
JACQUELINE KAY KILLOW	10/11/2019
JOHN ALTON PRICE	10/19/2019
MALIK M. PRADHAN	11/03/2019
RICHARD SCOTT CASSAN	10/11/2019
ROBERT ROSS FENTON	10/11/2019
SUBRAMANIAN VUTTRAVADIUM VENKATA	10/11/2019

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:	16564612

CORRESPONDENCE DATA

Fax Number: (816)421-5547

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: 816-474-6550 Email: rbroz@shb.com

Correspondent Name: SHOOK, HARDY & BACON LLP

505773813 REEL: 051032 FRAME: 0477

PATENT

Address Line 1: 2555 GRAND BLVD.

Address Line 4: KANSAS CITY, MISSOURI 64108

ATTORNEY DOCKET NUMBER:	28841.329015	
NAME OF SUBMITTER:	ELIZABETH A. LUCAS	
SIGNATURE:	/Elizabeth A. Lucas/	
DATE SIGNED:	11/14/2019	

Total Attachments: 22

source=28841.329015 Assignments#page1.tif source=28841.329015 Assignments#page2.tif source=28841.329015 Assignments#page3.tif source=28841.329015 Assignments#page4.tif source=28841.329015 Assignments#page5.tif source=28841.329015 Assignments#page6.tif source=28841.329015 Assignments#page7.tif source=28841.329015 Assignments#page8.tif source=28841.329015 Assignments#page9.tif source=28841.329015 Assignments#page10.tif source=28841.329015 Assignments#page11.tif source=28841.329015 Assignments#page12.tif source=28841.329015 Assignments#page13.tif source=28841.329015 Assignments#page14.tif source=28841.329015 Assignments#page15.tif source=28841.329015 Assignments#page16.tif source=28841.329015 Assignments#page17.tif source=28841.329015 Assignments#page18.tif source=28841.329015 Assignments#page19.tif source=28841.329015 Assignments#page20.tif source=28841.329015 Assignments#page21.tif source=28841.329015 Assignments#page22.tif

> PATENT REEL: 051032 FRAME: 0478

505765685 11/09/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5812501

AL 05	orrective Assignment to correct the CHANGE INVENTOR NAME "JOHN LTON PRICW" TO "JOHN ALTON PRICE" previously recorded on Reel 50927 Frame 0033. Assignor(s) hereby confirms the ENTIRE RIGHT, ITLE AND INTEREST.

CONVEYING PARTY DATA

Name	Execution Date
ALFREDO AUGUSTO MENENDEZ SANCHO	10/11/2019
ANUJA MILIND JOSHI	10/15/2019
CAROL KUMAR MEKALA	10/11/2019
HANY SALAHELDEEN KHALIL	11/01/2019
JACOB B. DANOVITCH-TATOFF	10/14/2019
JACQUELINE KAY KILLOW	10/11/2019
JOHN ALTON PRICE	10/19/2019
MALIK M. PRADHAN	11/03/2019
RICHARD SCOTT CASSAN	10/11/2019
ROBERT ROSS FENTON	10/11/2019
SUBRAMANIAN VUTTRAVADIUM VENKATA	10/11/2019

RECEIVING PARTY DATA

Name:	MICROSOFT TECHNOLOGY LICENSING, LLC
Street Address:	ONE MICROSOFT WAY
City:	SEATTLE
State/Country:	WASHINGTON
Postal Code:	98052

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16564612

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: 8164746550 Email: rbroz@shb.com

Correspondent Name: SHOOK, HARDY, AND BACON LLP

Address Line 1: 2555 GRAND BLVD

PATENT

REEL: 051032 FRAME: 0479

original joint inventor of su	bject matter ("INVENTIC	OR") am the original inventor of DN") disclosed and/or claimed TENT MESSAGES" ("APPLICATION	in a
Grand Blvd., Ka REPRESENTATIV on No. Office	al representative, Shook nsas City, Missouri 641 /ES), to insert here and by	given Application the following) this APPLICATION's	
		ns given Application " <u>US – United States Patent</u>	
behalf of itself and its suc desirous of acquiring, the er right of priority, in the INVEN patents derived therefrom, s	cessors and assigns (". ntire and exclusive righ ITION and the APPLICAT uch as continuing appli	ngton limited liability company ASSIGNEE"), is entitled to, and ts, title and interest, including TON (and all other applications cations, in whole or in part, in foreign countries ("APPLICA" requests, ASSIGNEE'S LE	nd is the and and
REPRESENTATIVES to insert	the Application No.,	filing date, and Office into	
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Application No.	Filing Date	Office	
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***	15/11/2019
Inventor's Signature	Date
Alfredo Augusto Menendez Sancho Printed Name in English	Printed Name in Native Language (if other than English)

I <u>Anuja Milind Joshi</u> ("ASSIGNOR") am the original inventor or an original joint
inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent
application entitled "COMPOSING RICH CONTENT MESSAGES" ("APPLICATION"), which:
☐ will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representative, Shook, Hardy & Bacon L.L.P., 2555 Grand Blvd., Kansas City, Missouri 64108–2613 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on and given Application No by the following Office this APPLICATION's Application No., filing date, and Office, when known;
was filed on <u>September 9, 2019</u> and was given Application
No <u>16/564,612</u> by the following Office " <u>US - United States Patent</u> and Trademark Office";
Microsoft Technology Licensing, LLC, a Washington limited liability company, or 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;
Application No. Filing Date Office

Page 1 of 2

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Inventor's Signature	10/15/2019 Date
Anuia Milind Joshi	
Printed Name in English	Printed Name in Native Language
	(if other than English)

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Page 1 of 2

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M. Carelland	lo\1.\19
Inventor's Signature	Date
<u>Carol Kumar Mekala</u>	
Printed Name in English	Printed Name in Native Language
	(if other than English)

joint invento	or of subject matt		losed and/o	nventor or an original r claimed in a patent PLICATION"), which:
	ASSIGNEE'S legal Grand Blvd., Kans REPRESENTATIVES on No. Office	and	Hardy & Bac 08-2613 (AS: in pare given the) this	on L.L.P., 2555 SIGNEE'S LEGAL ntheses (filed Application following APPLICATION's
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	TIVES to insert t	authorizes, and he Application No., TION DERIVATIVES aft		ASSIGNEE'S LEGAL and Office into the nown;
Application I		Filing Date	Office	



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

Date

Hany SalahEldeen Khalil

Printed Name in English

ے محمد ملاح العینے Printed Name in Native Language

(if other than English)

I <u>Jacob G. Danovitch-Tat</u> joint inventor of subject matte application entitled " <u>COMPOSIN</u>	er ("INVENTION") disclose	•
Grand Blvd., Kans REPRESENTATIVES on No. Office	ASSIGNOR hereby auth representative, Shook, Har as City, Missouri 64108-2 b), to insert here in and by	dy & Bacon L.L.P., 2555 613 (ASSIGNEE'S LEGAL n parentheses (filed given Application the following) this APPLICATION's
	ember 9, 2019 and was given the following Office " <u>US –</u> ffice ";	• •
Microsoft Technology Lid behalf of itself and its succe desirous of acquiring, the enti right of priority, in the INVENTI patents derived therefrom, suc 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 the following table for any APPLICATION APPLICAT		g date, and Office into the
Application No.	Filing Date	Office

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Jacob Donartch	10/14/2019
Inventor's Signature	Date
Jacob G. Danovitch-Tatoff	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Jacqueline Kay Killow</u> inventor of subject matter application entitled <u>COMPOS</u>	("ASSIGNOR") am the o ("INVENTION") disclo- ING RICH CONTENT ME	ed and/or clai	med in a patent
ASSIGNEE'S legal Grand Blvd., Kalinger Representative on No. Office		Hardy & Bacon 08-2613 (ASSIGI e in parenthi given the) this API	L.L.P., 2555 NEE'S LEGAL eses (filed Application
	o <u>tember 9, 2019</u> and w by the following Office <u>Office</u>		
Microsoft Technology behalf of itself and its successful additions successful acquiring, the enright of priority, in the INVEN patents derived therefrom, is for the United States, its DERIVATIVES ()	ntire and exclusive rigi ITION and the APPLICA uch as continuing appl	ASSICNEE), is its fittle and into TION (and all oth leations, in whole	entified to, and is erest, including the er applications and le or in part, in and
ASSIGNOR hereby REPRESENTATIVES to insert following table for any APPLIC	CATION DERIVATIVES a	filing date, as ffer they are known	nd Office into the
Application No.	Filing Date	Office	

1/2-	10/11/2014
Inventor's Signature	Date
Jacqueline Kay Killow	
Printed Name in English	Printed Name in Native Language
	of other than English

I <u>John Alton Price</u> ("ASS inventor of subject matter (application entitled " <u>COMPOSIN</u>	"INVENTION") disclosed	•
Grand Blvd., Kans REPRESENTATIVES on No. Office Application No., fi	and by ling date, and Office, whe	dy & Bacon L.L.P., 2555 613 (ASSIGNEE'S LEGAL n parentheses (filed given Application the following) this APPLICATION's n known;
	ember 9, 2019 and was given the following Office " <u>US -</u> ffice ";	
Microsoft Technology Lidebehalf of itself and its success desirous of acquiring, the entire right of priority, in the INVENTI patents derived therefrom, successfor 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 the second secon		uests, ASSIGNEE'S LEGAI
following table for any APPLICA	• •	-
Application No.	Filing Date	Office

John Alton Price	10/19/2019
Inventor's Signature	Date
<u>John Alton Price</u>	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Malik M. Pradhan</u> ("AS inventor of subject matter (application entitled " <u>COMPOSIN</u>	"INVENTION") disclosed	·
Grand Blvd., Kans REPRESENTATIVES on No. Office Application No., fi	and by ling date, and Office, whe	rdy & Bacon L.L.P., 2555 2613 (ASSIGNEE'S LEGAL n parentheses (filed given Application the following) this APPLICATION's n known;
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Microsoft Technology Lide behalf of itself and its success desirous of acquiring, the entire right of priority, in the INVENTIFE patents derived therefrom, successfor the United States, its to DERIVATIVES"));	ssors and assigns ("ASSIO re and exclusive rights, ti ON and the APPLICATION h as continuing application	tle and interest, including the (and all other applications and ns, in whole or in part, in and
ASSIGNOR hereby REPRESENTATIVES to insert the	,	uests, ASSIGNEE'S LEGAI g date, and Office into the
following table for any APPLICA	TION DERIVATIVES after th	ney are known;
Application No.	Filing Date	Office

Walik Pradhan	
	Nov 03, 2019
Inventor's Signature	Date
<u>Malik M. Pradhan</u>	
Printed Name in English	Printed Name in Native Language
	(if other than English)

					claimed in a patent PLICATION"), which:
Ш	will be filed.	ASSIGNOR here	by a	uthorizes,	and requests,
	ASSIGNEE'S legal	representative, Sh	ook, I	Hardy & Ba	con L.L.P., 2555
	Grand Blvd., Kan	sas City, Missouri (54108	3-2613 (AS	SIGNEE'S LEGAL
	REPRESENTATIVE	S), to insert	here	in pare	ntheses (filed
	on		ınd	given	Application
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	Office	***************************************) this	APPLICATION's
	Application No.,	filing date, and Off	ice, w	hen knowr	1;
Ø	was filed on <u>Sept</u>	<u>tember 9, 2019</u> and	d was	given Appl	lication
	No <u>16/564,612</u> b	y the following Off	ice " <u>U</u>	<u>S - United</u>	States Patent
	and Trademark (<u>Office_";</u>			
Micro	soft Technology L	icensing, LLC, a Wa	ashing	jton limited	d liability company, on
behalf of its	self and its succ	essors and assign	s ("A!	SSIGNEE"),	is entitled to, and is
desirous of	acquiring, the ent	ire and exclusive i	rights	, title and	interest, including the
					other applications and
patents deri	ved therefrom, su	ch as continuing a	pplica	tions, in w	hole or in part, in and
for the Un	ited States, its	territories, and	all fo	ireign cou	intries ("APPLICATION
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following tal	ole for any APPLIC.	ATION DERIVATIVE	S afte	r they are l	(nown;
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Page 1 of 2

4817-9070-3013 v1

Nifera Coper	Oct 11,2019
Inventor's Signature	Date
Richard Scott Cassan	
Printed Name in English	Printed Name in Native Language
	(if other than English)

inventor of	subject matter ("INVENTION") d	isclosed a	l inventor or an original jo ind/or claimed in a pate S ("APPLICATION"), which:	en
	ASSIGNEE'S legal is Grand Blvd., Kans REPRESENTATIVES on	representative, S as City, Missour), to insert	hook, Hard i 64108-26 here in and by	this APPLICATION's	
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Page 1 of 2

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Inventor's Signature	Date
Robert Ross Fenton	
Printed Name in English	Printed Name in Native Language
	(if other than English)

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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).

V.V. & 3.	10/11/2019
Inventor's Signature	Date
Subramanian Vuttravadium Venkata	
Printed Name in English	Printed Name in Native Language (if other than English)

Page 2 of 2