503269054 04/17/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3315672

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BABAK NAKHAYI ASHTIANI	04/03/2015
QIAN JIANG	04/01/2015
MARIO TAYAH	04/16/2015
BRIAN L. WELCKER	04/07/2015
THOMAS G. PATTON	04/06/2015
SACHIN SHRIKRISHNA PANVALKAR	04/01/2015
WING KIN THOMAS CHAN	04/16/2015

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:	14689422

CORRESPONDENCE DATA

Fax Number: (952)373-8920

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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ATTORNEY DOCKET NUMBER:	355801.02
NAME OF SUBMITTER:	JOSEPH R. KELLY
SIGNATURE:	/Joseph R. Kelly/
DATE SIGNED:	04/17/2015

PATENT 503269054 REEL: 035435 FRAME: 0086

Total Attachments: 14 source=355801-02_Assignments#page1.tif source=355801-02_Assignments#page2.tif source=355801-02_Assignments#page3.tif source=355801-02_Assignments#page4.tif source=355801-02_Assignments#page5.tif source=355801-02_Assignments#page6.tif source=355801-02_Assignments#page7.tif source=355801-02_Assignments#page8.tif source=355801-02_Assignments#page9.tif source=355801-02_Assignments#page10.tif source=355801-02_Assignments#page11.tif source=355801-02_Assignments#page12.tif source=355801-02_Assignments#page12.tif source=355801-02_Assignments#page13.tif source=355801-02_Assignments#page14.tif

PATENT REEL: 035435 FRAME: 0087

joint invento	or of subject mat entitled "RESOURC	ter ("INVENTION") disclose	original inventor or an original ed and/or claimed in a patent WITH IMPROVED INTERFACE"
	ASSIGNEE'S legal LLC., One Mic (ASSIGNEE'S LE- parentheses (file No	ASSIGNOR hereby authorepresentative, Microsoft crosoft Way, Redmond GAL REPRESENTATIVES), don by the following Offemark Office) this APPLICATION, when known;	t Technology Licensing, , Washington 98052 to insert here in and given Application fice <u>US – United States</u>
		and was given App Office " <u>US – United States I</u>	
behalf of its desirous of a right of prior patents deriv	self and its succe acquiring, the enti ity, in the INVENT red therefrom, suc ted States, its	ssors and assigns ("ASSI re and exclusive rights, to ION and the APPLICATION th as continuing application	on limited liability company, on GNEE"), is entitled to, and is itle and interest, including the (and all other applications and ons, in whole or in part, in and ign countries ("APPLICATION
REPRESENTAT	TIVES to insert t	•	uests, ASSIGNEE'S LEGAL g date, and Office into the ney are known;
Application N		Filing Date	Office

Page 1 of 2

MS Docket No.: 355801.02

PATENT ASSIG	GNMENT	MS Docket No.:	<u>355801.02</u>
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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).

المدخى المعالمة المع

MS Docket No.: 355801.02

I <u>Qian Jiang</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "RESOURCE ALLOCATION CONTROL WITH IMPROVED INTERFACE" ("APPLICATION"), which:

\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 and given Application
	No by the following Office <u>US - United States</u>
	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 " <u>US - United States Patent and Trademark</u>
	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 REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known;

Date Office

Page 1 of 2

PATENT ASSIGNMENT		MS Docket No.:	355801.02

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"));

(Oliver)	04/01/2015
Inventor's Signature	Date
Qian Jiang	
Printed Name in English	Printed Name in Native Language
	(if other than English)

of subject matter ("INVENTIC		itor or an original joint inventor aimed in a patent application ITH IMPROVED INTERFACE"
ASSIGNEE'S legal LLC., One Mic (ASSIGNEE'S Le parentheses (file No Patent and Trade	ASSIGNOR hereby aut representative, Microsoft crosoft Way, Redmond GAL REPRESENTATIVES), and on by the following Oftemark Office) this APPLICATION (1986) when known;	t Technology Licensing, I, Washington 98052 to insert here in and given Application fice <u>US – United States</u>
	and was given App Office " <u>US – United States</u>	
behalf of itself and its succe	ssors and assigns ("ASSI re and exclusive rights, t ON and the APPLICATION th as continuing application	itle and interest, including the (and all other applications and ons, in whole or in part, in and
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following table for any APPLICA	TION DERIVATIVES after t	hey are known;
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Page 1 of 2

MS Docket No.: <u>355801.02</u>

PATENT ASSIGNMENT	MS Docket No.:	355801.02
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A	April 16 2015
Inventor's Signature	Date
Mario Tayah	مار و الطنا د
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: <u>355801.02</u>

I <u>Brian L. Welcker</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "RESOURCE ALLOCATION CONTROL WITH IMPROVED INTERFACE" ("APPLICATION"), which:

\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 and given Application
	No by the following Office <u>US - United States</u>
	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 "US - United States Patent and Trademark
	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 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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Br. W.M. Inventor's Signature	7 April 2015 Date
Brian L. Welcker	
Printed Name in English	Printed Name in Native Language
,	(if other than English)

MS Docket No.: 355801.02

Thomas G. Patton ("ASSICNOR") am the original inventor or an original joint Inventor of subject matter (INVENTION') disclosed and/or claimed in a patent application entitled RESCURCE ALLOCATION CONTROL WITH IMPROVED INTERFACE CAPPLICATION), WHICH.

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	be field ASSIGNOR hereby authorizes, and requests, assigned a legal representative, Microsoft Technology Licensing, ASSIGNED legal representative, Microsoft Technology Licensing, Washington 98052 LEGAL REPRESENTATIVES), to Insert here in and given Application and given Application by the following Office US - United States by the following Office US - United States Tilling date, and Office, when known;
	and was given Application No and Trademark by the following Office "US - United States Patent and Trademark by the following Office "US - United States Patent and Trademark
Olivie de la constantina della	soft Technology Licensing, LLC, a Washington limited liability company soft Technology Licensing, LLC, a Washington limited liability company self and its successors and assigns ("ASSIGNEE"), is entitled to, an self and its successors and assigns ("ASSIGNEE"), is entitled to, an self and its successors and assigns ("ASSIGNEE"), is entitled to, an area in the invention and the Applications, in whole or in part, in the INVENTION and the Applications, in whole or in part, in

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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

Date

Thomas G. Patton

Printed Name in English

Printed Name in Native Language (if other than English)

PATENT

REEL: 035435 FRAME: 0097

1 Sachin Shrikrishna Panvalkar ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "RESOURCE ALLOCATION CONTROL WITH IMPROVED INTERFACE" ("APPLICATION"), which: W 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 ______ and given Application No. _____ by the following Office <u>US - United States</u> 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 "US - United States Patent and Trademark 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 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

MS Docket No.: 355801.02

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Inventor's Signature	04/01/2015 Date
Sachin Shrikrishna Panvalkar	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I Wing Kin Thomas Chan ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "RESOURCE ALLOCATION CONTROL WITH IMPROVED INTERFACE" ("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 _____ and given Application No. _____ by the following Office <u>US - United States</u> 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 "US - United States Patent and Trademark 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 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

MS Docket No.: 355801.02

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Che sem.	4/16/2015
Inventor's Signature	Date
Wing Kin Thomas Chan	
Printed Name in English	Printed Name in Native Language
	(if other than English)