503932243 07/26/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANDREW DOUGLAS REDDISH	04/12/2013
OLIVIER COLLE	07/02/2013
RADU B. GRUIAN	04/12/2013
NIZAM ANUAR	04/12/2013
JAIDEEP SARKAR	04/11/2013
VIJAY MITAL	06/21/2013

RECEIVING PARTY DATA

Name:	MICROSOFT CORPORATION
Street Address:	ONE MICROSOFT WAY
City:	REDMOND
State/Country:	WASHINGTON
Postal Code:	98052

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15220069

CORRESPONDENCE DATA

Fax Number: (801)328-1707

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: 801-533-9800

aemig@wnlaw.com,usdocket@microsoft.com Email:

WORKMAN NYDEGGER **Correspondent Name:** Address Line 1: 60 EAST SOUTH TEMPLE

Address Line 2: **SUITE 1000**

Address Line 4: SALT LAKE CITY, UTAH 84111

ATTORNEY DOCKET NUMBER:	13768.2305.1
NAME OF SUBMITTER:	JENS C. JENKINS
SIGNATURE:	/Jens C. Jenkins/
DATE SIGNED:	07/26/2016

PATENT REEL: 039262 FRAME: 0483 503932243

Total Attachments: 12 source=13768.2305.1 Assignment - MS#page1.tif source=13768.2305.1 Assignment - MS#page2.tif source=13768.2305.1 Assignment - MS#page3.tif source=13768.2305.1 Assignment - MS#page4.tif source=13768.2305.1 Assignment - MS#page5.tif source=13768.2305.1 Assignment - MS#page6.tif source=13768.2305.1 Assignment - MS#page7.tif source=13768.2305.1 Assignment - MS#page8.tif source=13768.2305.1 Assignment - MS#page9.tif source=13768.2305.1 Assignment - MS#page10.tif source=13768.2305.1 Assignment - MS#page11.tif source=13768.2305.1 Assignment - MS#page11.tif source=13768.2305.1 Assignment - MS#page12.tif

PATENT REEL: 039262 FRAME: 0484

MIS DOCKET NO.:_	339004.01
WN Docket No.:	13768.2305
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I Andrew Douglas Reddish ("ASSIGNOR") am the original inventor or an orig	
joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a pat	
application entitled "COMPILATION OF TRANSFORMATION IN RECALCULATION U	SEF
INTERFACE" ("APPLICATION"), which:	
ASSIGNEE'S legal representatives, of the Law and Corporate Affairs	
Department, Microsoft Corporation, 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</u>	
States Patent and Trademark Office) this APPLICATION's	
Application No., filing date, and Office, when known;	
oxtimes was filed on April 12, 2013 and was given Application	
No 13/862,277 by the following Office "US - United States	
Patent and Trademark Office";	
Microsoft Corporation, a Washington Corporation, on behalf of itself and successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuapplications, in and for the United States, its territories, and all foreign count ("APPLICATION DERIVATIVES")); ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEG	the ION Iing rie:
•	
REPRESENTATIVES to insert the Application No., filing date, and Office into	LIIG
following table for any APPLICATION DERIVATIVES after they are known; Application No. Filing Date Office	
Application No. Filling Date Office	\dashv
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MS Docket No.: 339064.01 WN Docket No.: 13768.2305

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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

Alon Caloling Inventor's Signature	4 (12 (13)
Andrew Douglas Reddish	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT A	ASSIGNMENT	MS Docket No.: 339064.01 WN Docket No.: 13768.2305
I <u>Olivier Colle</u> ("ASS inventor of subject matter ("application entitled " <u>COMPILA</u> " ("APPLICATION"), w	"INVENTION") disclosed a FION OF TRANSFORMATIO	
ASSIGNEE'S legal of Department, Micro Washington 9805 here in parenth Application No	ASSIGNOR hereby authorepresentatives, of the Lavosoft Corporation, One Mize (ASSIGNEE'S LEGAL REPReses (filed on by the followand Trademark Office)	v and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert and given wing Office <u>US - United</u> this APPLICATION's
	12, 2013 and was given A by the following Office "_l nark Office";	
Microsoft Corporation, successors and assigns ("ASSIC entire and exclusive rights, titl (and all other applications applications, in and for the U("APPLICATION DERIVATIVES"));	GNEE"), is entitled to, and le and interest in the INV and patents derived the	ENTION and the APPLICATION refrom, such as continuing
ASSIGNOR hereby REPRESENTATIVES to insert t following table for any APPLICA	he Application No., filin	
Application No.	Filing Date	Office

MS Docket No.: 339064.01 WN Docket No.: 13768.2305

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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

	- 1/2/2013
Inventor's Signature	Date
Olivier Colle	
Printed Name in English	Printed Name In Native Language (if other than English)

PATENT ASSIGNMENT MS Docket No.: 339064.01 WN Docket No.: 13768.2305 I Radu B. Gruian ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "COMPILATION OF TRANSFORMATION IN RECALCULATION USER INTERFACE" ("APPLICATION"), which: will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, 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</u> States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known; was filed on April 12, 2013 and was given Application No 13/862,277 by the following Office "US - United States Patent and Trademark Office": Microsoft Corporation, a Washington Corporation, 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 in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES")); **ASSIGNEE'S** LEGAL authorizes, and requests, ASSIGNOR hereby REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known:

Filing Date	Office	
		
		• • •
		,
	Filing Date	Filing Date Office

MS Docket No.: 339064.01 WN Docket No.: 13768.2305

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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

Snik	4/12/2013
Inventor's Signature	Date
Radu B. Gruian	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 339064.01 WN Docket No.: 13768.2305 I Nizam Anuar ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "COMPILATION OF TRANSFORMATION IN RECALCULATION USER INTERFACE" ("APPLICATION"), which: will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, 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 US - United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known; was filed on April 12, 2013 and was given Application No <u>13/862,277</u> by the following Office "<u>US – United States</u> Patent and Trademark Office"; Microsoft Corporation, a Washington Corporation, 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 in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, 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

MS Docket No.: 339064.01 WN Docket No.: 13768.2305

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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

Inventor's Signature	4/12/2013 Date
Nizam Anuar	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 339064.01
WN Docket No.: 13768.2305

e original inventor or an original joint

I Jaideep Sarkar ("ASS inventor of subject matter ("application entitled "COMPILAT INTERFACE" ("APPLICATION"), w	'INVENTION") disclosed a TION OF TRANSFORMATIO	
ASSIGNEE'S legal repartment, Micro Washington 98052 here in parenthe Application No	ASSIGNOR hereby authorepresentatives, of the Lavosoft Corporation, One Mi (2 (ASSIGNEE'S LEGAL REPReses (filed on by the following date, and Office, where	v and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert and given wing Office <u>US – United</u> this APPLICATION's
	12, 2013 and was given A by the following Office " <u>I</u> nark Office";	
Microsoft Corporation, a successors and assigns ("ASSIC entire and exclusive rights, titl (and all other applications a applications, in and for the U ("APPLICATION DERIVATIVES"));	GNEE"), is entitled to, and e and interest in the INV and patents derived the	ENTION and the APPLICATION refrom, such as continuing
ASSIGNOR hereby REPRESENTATIVES to insert the following table for any APPLICA	ne Application No., filin	
Application No.	Filing Date	Office

MS Docket No.: 339064.01 WN Docket No.: 13768.2305

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 in the INVENTION and the APPLICATION (and 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

04-11-2013

Date

Jaideep Sarkar

Printed Name in English

Printed Name in Native Language

(if other than English)

PATENT /		ASSIGNMENT	MS Docket No.: 339064.01
	*		WN Docket No.: 13768.2305
of subject r	natter ("INVENTIOI <u>MPILATION OF TR</u>	N") disclosed and/or clai	or or an original joint invento imed in a patent applicatior <u>LCULATION USER INTERFACE</u>
	ASSIGNEE'S legal of Department, Micro Washington 9805 here in parenth Application No	ASSIGNOR hereby authorepresentatives, of the Lavosoft Corporation, One Miles (ASSIGNEE'S LEGAL REPRESES (filed on by the followand Trademark Office)	w and Corporate Affairs icrosoft Way, Redmond, ESENTATIVES), to insert and given wing Office US - United this APPLICATION's
		12, 2013 and was given A by the following Office " mark Office";	
successors a entire and e (and all oth applications,	and assigns ("ASSIO xclusive rights, tit her applications a	ONEE"), is entitled to, and le and interest in the INV and patents derived the	n, on behalf of itself and itself and itself is desirous of acquiring, the ENTION and the APPLICATION erefrom, such as continuing ies, and all foreign countries
REPRESENTA	TIVES to insert t	•	uests, ASSIGNEE'S LEGA g date, and Office into the ney are known;
Application I	No.	Filing Date	Office

MS Docket No.: 339064.01 WN Docket No.: 13768.2305

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 in the INVENTION and the APPLICATION (and 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	6/21/2013 Date	
Vijay Mital		
Printed Name in English	Printed Name in Native Language (if other than English)	

Page 2 of 2