## PATENT ASSIGNMENT

# Electronic Version v1.1

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CONVEYING PART	ΓΥ DATA	JL		
Name Execution [		Execution Date		
Loris D'Antoni			09/03/2013	
Alan M. Dunn			09/05/2013	
Suman Jana			09/04/2013	
Tadayoshi Kohno			09/04/2013	
Benjamin Livshits			09/03/2013	
David A. Molnar			09/04/2013	
Alexander N. Mosh	nchuk		09/04/2013	
Eyal Ofek			09/03/2013	
Franziska Roesner	-		09/04/2013	
Timothy Scott Sapo	onas		09/04/2013	
Margus Veanes			09/03/2013	
Jiahe Helen Wang			09/04/2013	
RECEIVING PART	Y DATA			
Name:	Microsoft Cor			
Name: Street Address:	Microsoft Cor			
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Street Address:	Microsoft Cor	t Way		
Name: Street Address: City: State/Country: Postal Code:	Microsoft Corr One Microsoft Redmond WASHINGTO 98052	t Way		
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Name: Street Address: City: State/Country: Postal Code: PROPERTY NUMB Property Application Number CORRESPONDENT	Microsoft Cor One Microsoft Redmond WASHINGTO 98052 ERS Total: 1 7 Type CE DATA 4259367	N N 14020708 329 Mail when the fax attempt is u		
Name:     Street Address:     City:     State/Country:     Postal Code:     PROPERTY NUMB     Property     Application Number     CORRESPONDENCE     Fax Number:     Correspondence weight	Microsoft Cor One Microsoft Redmond WASHINGTO 98052 ERS Total: 1 Type er: CE DATA 4259367 ill be sent via US 4 4257079	N N 14020708 329 Mail when the fax attempt is u		

Correspondent Name:	Assal Meftahi
Address Line 1:	One Microsoft Way
Address Line 2:	Patent Group Docketing Dept
Address Line 4:	Redmond, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	339511.01	
NAME OF SUBMITTER:	David M. Huntley	
Signature:	/David M. Huntley, 40309/	
Date:	09/07/2013	

#### Total Attachments: 24

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#### PATENT ASSIGNMENT MS Docket No.: <u>339511.01</u>

I <u>Loris D'Antoni</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>Managing Access by Applications to Perceptual Information</u>" ("APPLICATION"), which:

> $\boxtimes$  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 06 Sept. 2013 here in parentheses (filed on and given 14/020,708 Application No. the following by Office USPTO ) this APPLICATION's Application No., filing date, and Office, when known;

was filed on \_\_\_\_\_\_ and was given Application No \_\_\_\_\_\_ by the following 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"));

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Application No.	Filing Date	Office

Pruti from	09/03/2013	
Inventor's Signature	Date	
Loris D'Antoni		
Printed Name in English	Printed Name in Native Language	
	(if other than English)	

I <u>Alan M. Dunn</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>Managing Access by Applications to Perceptual Information</u>" ("APPLICATION"), which:

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Department, Microsoft Corporation, One Microsoft Way, Redmond,
Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert
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Application No.	Filing Date	Office	

9/5/2012 Inventor's Signature Date Alan M. Dunn Printed Name in English Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT MS Docket No.: <u>339511.01</u> I <u>Suman Jana</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>Managing Access by Applications to Perceptual Information"</u> ("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 <u>06 Sept. 2013</u> and given Application No. <u>14/020,708</u> by the following Office USPTO \_\_\_\_\_\_) this APPLICATION's Application No., filing date, and Office, when known;

J was filed on \_\_\_\_\_\_ and was given Application No \_\_\_\_\_\_ by the following 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 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).

Page 1 of 2

PATENT ASSIGNMENT MS Docket No.: 339511.01 89/04/2013 Date Inventor's Signature Suman Jana Printed Name in English Printed Name in Native Language (if other than English) 

Page 2 of 2

#### PATENT REEL: 031160 FRAME: 0012

I <u>Tadayoshi Kohno</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>Managing Access by Applications to Perceptual Information</u>" ("APPLICATION"), which:

> $\boxtimes$  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 06 Sept. 2013 here in parentheses (filed on and given 14/020,708 Application No. bγ the following USPTO Office ) this APPLICATION's Application No., filing date, and Office, when known;

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Application No.	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).

14/2017 Inventor's Signature Date Tadayoshi Kohno Printed Name in English Printed Name in Native Language (if other than English)

Page 2 of 2

I <u>Benjamin Livshits</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>Managing Access by Applications to Perceptual Information</u>" ("APPLICATION"), which:

 $\boxtimes$  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 \_\_\_\_ 06 Sept. 2013 and given 14/020,708 Application No. by the following Office USPTO \_\_) this APPLICATION's Application No., filing date, and Office, when known;

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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	
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	9/3/2013
Inventor's Signature	Date
Benjamin Livshits	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>David A. Molnar</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>Managing Access by Applications to Perceptual Information</u>" ("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 06 Sept. 2013 and given here in parentheses (filed on 14/020,708 following No. bv the Application ) this APPLICATION's USPTO Office Application No., filing date, and Office, when known;

was filed on \_\_\_\_\_ and was given Application

No \_\_\_\_\_\_ by the following Office

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PATENT REEL: 031160 FRAME: 0017

14/2013 Inventor's Signature Date David A. Molnar Printed Name in English Printed Name in Native Language (if other than English)

I <u>Alexander N. Moshchuk</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>Managing Access by Applications to Perceptual Information</u>" ("APPLICATION"), which:

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Inventor's Signature

Date

ANEKCHHAP

Printed Name in Native Language (if other than English)

9/4/2013

Alexander N. Moshchuk Printed Name in English I <u>Eval Ofek</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>Managing Access by Applications to Perceptual Information</u>" ("APPLICATION"), which:

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### PATENT ASSIGNMENT MS Docket No.: <u>339511.01</u>

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X-MIT	9/3/2013
Inventor's Signature	Date
Eyal Ofek	אייל אופק
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Franziska Roesner</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>Managing Access by Applications to Perceptual Information</u>" ("APPLICATION"), which:

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Application No.	Filing Date	Office	
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PATENT REEL: 031160 FRAME: 0023

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rista Poene 9/4/2013 Inventor's Signature Date Franziska Roesner Printed Name in English Printed Name in Native Language (if other than English)

#### PATENT ASSIGNMENT MS Docket No.: <u>339511.01</u>

I <u>Timothy Scott Saponas</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>Managing Access by Applications to Perceptual Information</u>" ("APPLICATION"), which:

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Application No.	Filing Date	Office	

Inventor's Signature Date Timothy Scott Saponas Printed Name in English Printed Name in Native Language (if other than English)

I <u>Margus Veanes</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>Managing Access by Applications to Perceptual Information</u>" ("APPLICATION"), which:

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September 3, 2013 Inventor's Signature Date Margus Veanes Printed Name in English Printed Name in Native Language (if other than English)

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Page 2 of 2

I Jiahe Helen Wang ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>Managing Access by Applications to Perceptual Information</u>" ("APPLICATION"), which:

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13 Inventor's Signature Date 王仁丰 Jiahe Helen Wang Printed Name in English Printed Name in Native Language (if other than English)