PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3292698

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DANIEL MARANTZ	09/27/2012
AARON C. YUEN	09/28/2012
PRIYA VAIDYANATHAN	09/27/2012
MARK BLELOCK ATHERTON	09/28/2012
PARTHASARATHY GOVINDARAJEN	09/27/2012

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:	14676102

CORRESPONDENCE DATA

Fax Number: (216)373-3450

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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Address Line 4: INDEPENDENCE, OHIO 44131

ATTORNEY DOCKET NUMBER:	337384.04
NAME OF SUBMITTER:	WILLIAM J. COOPER
SIGNATURE:	/William J. Cooper/
DATE SIGNED:	04/01/2015
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Total Attachments: 10

PATENT REEL: 035311 FRAME: 0184

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PATENT REEL: 035311 FRAME: 0185

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icrosoft	Corporation.	а	Washington	Corporation,	on	behalf	of	I

was filed on _____ and was given Application

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	
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Page 1 of 2

PATENT ASSIGNMENT

MS Docket No.: 337384.01

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).

D. Mocket	Sept 27/2012
Inventor's Signature	Date
	Daniel Marantz
Daniel Marantz	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

MS Docket No.: 337384.01

I Aaron C Yuen ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "SEMANTIC ZOOM FOR RELATED CONTENT" ("APPLICATION"), which: will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs

3		·	
Department, Microso	ft Corporation,	One Microsoft Wa	y, Redmond,
Washington 98052 (A	SSIGNEE'S LEGA	L REPRESENTATIV	ES), to insert
here in parentheses	s (filed on		and given
Application No.		by the	following
Office	1.4.2) this AP	PLICATION's
Application No., filing	date, and Offic	e, when known;	
was filed on	and was	given Application	1
No.	by the following	•	

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"));

LEGAL hereby authorizes. and requests, ASSIGNEE'S ASSIGNOR 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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	9/28/2012
Inventor's Signature	Date
An	Aaron C Yuen
Aaron C Yuen	Printed Name in Native Language
	(if other than English)

I <u>Priya Vaidyanathan</u> ("A inventor of subject matter (application entitled " <u>SEMANT</u> which:	"INVENTION") disclosed	•
ASSIGNEE'S legal Department, Micr Washington 9805 here in parenth Application No	ASSIGNOR hereby authorepresentatives, of the Lawosoft Corporation, One M 2 (ASSIGNEE'S LEGAL REPRESES (filed on	w and Corporate Affairs icrosoft Way, Redmond, RESENTATIVES), to insert and given by the following this APPLICATION's
No	and was given by the following Office ";	
Microsoft Corporation, successors and assigns ("ASSIGE entire and exclusive rights, tit (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 erefrom, such as continuing
ASSIGNOR hereby REPRESENTATIVES to insert t following table for any APPLICA	he Application No., filin	_
Application No.	Filing Date	Office

Page 1 of 2

PATENT ASSIGNMENT

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):

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Inventor's Signature

PRIYA VAIDYANATHA N

Priya Vaidyanathan

 $\frac{OI}{Date} \propto + \frac{1}{2012}$

MS Docket No.: 337384.01

Printed Name in Native Language (if other than English)

I Mark Blelock Atherton ("ASSIGNOR") am the original inventor or an original

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		al representatives, of		
	Department, M	icrosoft Corporation,	One Microsoft Wa	ıy, Redmond,
	Washington 980	052 (ASSIGNEE'S LEG	AL REPRESENTATIV	/ES), to insert
	here in paren	itheses (filed on _		and given
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	Application No.	, filing date, and Offi	ce, when known:	
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Microsuccessors entire and eland all ot applications ("APPLICATION ASSICE REPRESENTA	No	by the following; n, a Washington CorsiGNEE"), is entitled title and interest in and patents derived United States, its authorizes, and	poration, on beha to, and is desirou the INVENTION an yed therefrom, s territories, and al requests, A o., filing date, an	alf of itself and it us of acquiring, the of the APPLICATION uch as continuing Il foreign countrie SSIGNEE'S LEGAI

PATENT REEL: 035311 FRAME: 0192

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Mu A	9/28/2012
Inventor's Signature	Date
Mark Blelock Atherton	Printed Name in Native Language (if other than English)

PATENT REEL: 035311 FRAME: 0193

original joint inventor of subj	ect matter ("INVENTION")	the original inventor or an disclosed and/or claimed in a FOR RELATED CONTENT"
ASSIGNEE'S legal Department, Micr Washington 9805 here in parenth Application N Office	ASSIGNOR hereby authorepresentatives, of the Lacosoft Corporation, One Modern Corporation on Lacosoft	w and Corporate Affairs licrosoft Way, Redmond, RESENTATIVES), to insert and given by the following this APPLICATION's
	and was given by the following Offic ";	
Microsoft Corporation, successors and assigns ("ASSIG entire and exclusive rights, tit (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 erefrom, such as continuing
ASSIGNOR hereby REPRESENTATIVES to insert the following table for any APPLICATION APPLICA	he Application No., filin	
Application No.	Filing Date	Office

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	9/27/2012
Inventor's Signature	Date
Inventor's Signature Glasthas anthy	<u>unjagonga</u> (200200389080
Parthasarathy Govindarajen	Printed Name in Native Language
	(if other than English)