

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4528784

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JONATHAN CHRISTEN	04/27/2015
JOHN CHARLES HOWARD	04/24/2015
MARCUS TANNER	04/24/2015
BEN SUGDEN	04/24/2015
ROBERT C. MEMMOTT	04/24/2015
KENNETH CHARLES OUELLETTE	04/24/2015
ALEX KIPMAN	04/24/2015
TODD ALAN OMOTANI	04/24/2015
JAMES T. REICHERT JR.	04/24/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MICROSOFT TECHNOLOGY LICENSING, LLC
<b>Street Address:</b>	ONE MICROSOFT WAY
<b>City:</b>	REDMOND
<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	98052
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14698514
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(425)936-7329
<i>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.</i>	
<b>Phone:</b>	425-707-9382
<b>Email:</b>	usdocket@microsoft.com
<b>Correspondent Name:</b>	MICROSOFT CORPORATION
<b>Address Line 1:</b>	ONE MICROSOFT WAY
<b>Address Line 4:</b>	REDMOND, NORTH CAROLINA 98052
<b>ATTORNEY DOCKET NUMBER:</b>	356790.01 (WHG15306)
<b>NAME OF SUBMITTER:</b>	CATHERINE POLANCE

<b>SIGNATURE:</b>	/Catherine Polance/
<b>DATE SIGNED:</b>	07/31/2017
<b>Total Attachments: 18</b> source=356790.01 (WHG15306) Executed Assignments#page1.tif source=356790.01 (WHG15306) Executed Assignments#page2.tif source=356790.01 (WHG15306) Executed Assignments#page3.tif source=356790.01 (WHG15306) Executed Assignments#page4.tif source=356790.01 (WHG15306) Executed Assignments#page5.tif source=356790.01 (WHG15306) Executed Assignments#page6.tif source=356790.01 (WHG15306) Executed Assignments#page7.tif source=356790.01 (WHG15306) Executed Assignments#page8.tif source=356790.01 (WHG15306) Executed Assignments#page9.tif source=356790.01 (WHG15306) Executed Assignments#page10.tif source=356790.01 (WHG15306) Executed Assignments#page11.tif source=356790.01 (WHG15306) Executed Assignments#page12.tif source=356790.01 (WHG15306) Executed Assignments#page13.tif source=356790.01 (WHG15306) Executed Assignments#page14.tif source=356790.01 (WHG15306) Executed Assignments#page15.tif source=356790.01 (WHG15306) Executed Assignments#page16.tif source=356790.01 (WHG15306) Executed Assignments#page17.tif source=356790.01 (WHG15306) Executed Assignments#page18.tif	

I Jonathan Christen ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PRODUCING AND CONSUMING METADATA WITHIN MULTI-DIMENSIONAL DATA" ("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 April 28, 2015 and given Application No. 14/698,514 by the following Office \_\_\_\_\_) this APPLICATION's Application No., filing date, and Office, when known;

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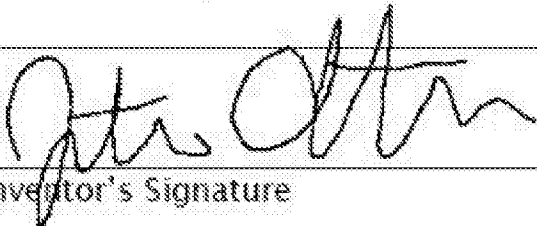
PATENT ASSIGNMENT

MS Docket No.:

WHQ15306

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Inventor's Signature

4/27/15

Date

Jonathan Christen

Printed Name in English

Printed Name in Native Language  
(if other than English)

I John Charles Howard ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PRODUCING AND CONSUMING METADATA WITHIN MULTI-DIMENSIONAL DATA" ("APPLICATION"), which:

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	4.24.2015
_____ Inventor's Signature	_____ Date
<u>John Charles Howard</u> Printed Name in English	_____ Printed Name in Native Language (if other than English)

I Marcus Tanner ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PRODUCING AND CONSUMING METADATA WITHIN MULTI-DIMENSIONAL DATA" ("APPLICATION"), which:

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_____ Inventor's Signature	_____ Date
_____ Marcus Tanner	_____ Printed Name In Native Language (if other than English)
_____ Printed Name in English	



I Ben Sugden ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PRODUCING AND CONSUMING METADATA WITHIN MULTI-DIMENSIONAL DATA" ("APPLICATION"), which:

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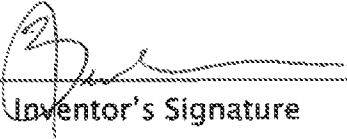
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 Inventor's Signature	<u>4/24/15</u> Date
<u>Ben Sugden</u> Printed Name in English	 Printed Name in Native Language (if other than English)

I Robert C. Memmott ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PRODUCING AND CONSUMING METADATA WITHIN MULTI-DIMENSIONAL DATA" ("APPLICATION"), which:

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	<u>9/24/2015</u>
Inventor's Signature	Date
Robert C. Memmott	
Printed Name in English	Printed Name in Native Language (if other than English)

I Kenneth Charles Ouellette ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PRODUCING AND CONSUMING METADATA WITHIN MULTI-DIMENSIONAL DATA" ("APPLICATION"), which:

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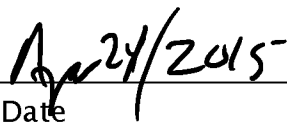
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 _____ Inventor's Signature	 _____ Date
Kenneth Charles Ouellette _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I Alex Kipman ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PRODUCING AND CONSUMING METADATA WITHIN MULTI-DIMENSIONAL DATA" ("APPLICATION"), which:

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	<u>4-24-2015</u>
Inventor's Signature	Date
Alex Kipman	
Printed Name in English	Printed Name in Native Language (if other than English)



I Todd Alan Omotani ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PRODUCING AND CONSUMING METADATA WITHIN MULTI-DIMENSIONAL DATA" ("APPLICATION"), which:

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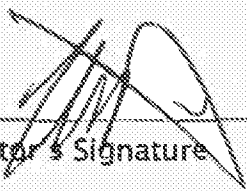

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 _____ Inventor's Signature	 _____ Date
Todd Alan Omotani _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I James T. Reichert, Jr. ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PRODUCING AND CONSUMING METADATA WITHIN MULTI-DIMENSIONAL DATA" ("APPLICATION"), which:

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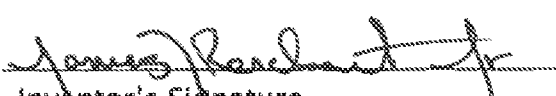
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