

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4119670

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YONGJUN WU	03/29/2013
NAVEEN THUMPUDI	03/29/2013
SHYAM SADHWANI	03/29/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MICROSOFT CORPORATION
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<b>City:</b>	REDMOND
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<b>Postal Code:</b>	98052
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15272661
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<b>Address Line 4:</b>	PORTLAND, OREGON 97204
<b>ATTORNEY DOCKET NUMBER:</b>	3382-90616-05
<b>NAME OF SUBMITTER:</b>	KYLE B. RINEHART
<b>SIGNATURE:</b>	/Kyle B. Rinehart/
<b>DATE SIGNED:</b>	10/28/2016
<b>Total Attachments: 6</b>	
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## PATENT ASSIGNMENT

I, Yongjun Wu ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CUSTOM DATA INDICATING NOMINAL RANGE OF SAMPLES OF MEDIA CONTENT" ("APPLICATION"), which:

☒ will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Klarquist Sparkman, LLP, 121 SW Salmon Street, Suite 1600, Portland, OR 97204, who are associated with customer number 26119, (ASSIGNEE'S LEGAL REPRESENTATIVES) to insert here in parentheses (filed on 3/29/2013, and given Application No. 13/853,919 by the following Office: United States 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 "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"));




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

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	_____ Date
Yongjun Wu	
_____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

MS Docket No.: 338589.01  
(OC Docket No. 3382-90616-01)

## PATENT ASSIGNMENT

I, Naveen Thumpudi ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CUSTOM DATA INDICATING NOMINAL RANGE OF SAMPLES OF MEDIA CONTENT" ("APPLICATION"), which:

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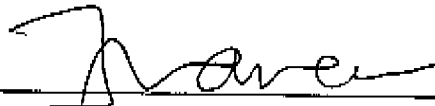
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 _____ Inventor's Signature	<u>3/29/2013</u> _____ Date
<u>Naveen Thumpudi</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

## PATENT ASSIGNMENT

I, Shyam Sadhwani ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CUSTOM DATA INDICATING NOMINAL RANGE OF SAMPLES OF MEDIA CONTENT" ("APPLICATION"), which:

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 Inventor's Signature	<u>3/29/2013</u> Date
<u>Shyam Sadhwani</u> Printed Name in English	<u>श्याम सध्वानी</u> Printed Name in Native Language (if other than English)