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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GREGORY HUGHES	06/30/2014
MICHAEL J. COULSON	07/07/2014
ALEXANDRE TRISTAN ST-CYR	06/30/2014
FAISAL MOHAMOOD	06/27/2014
THERESA PALMER-BOROSKI	07/03/2014
CLEMENS SZYPERSKI	07/01/2014
MARIUS DUMITRU	07/07/2014

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14325642

CORRESPONDENCE DATA

Fax Number:

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ATTORNEY DOCKET NUMBER:	340905.02
NAME OF SUBMITTER:	MICHAEL J. MEDLEY
SIGNATURE:	/Michael J. Medley/
DATE SIGNED:	07/08/2014
Total Attachments: 14	

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PATENT REEL: 033261 FRAME: 0742 source=340905-02-Assignment#page1.tif source=340905-02-Assignment#page2.tif source=340905-02-Assignment#page3.tif source=340905-02-Assignment#page4.tif source=340905-02-Assignment#page5.tif source=340905-02-Assignment#page6.tif source=340905-02-Assignment#page7.tif source=340905-02-Assignment#page8.tif source=340905-02-Assignment#page9.tif source=340905-02-Assignment#page10.tif source=340905-02-Assignment#page11.tif source=340905-02-Assignment#page12.tif source=340905-02-Assignment#page13.tif source=340905-02-Assignment#page13.tif I <u>Gregory Hughes</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>CONSTRUCTING QUERIES FOR EXECUTION OVER MULTI-</u><u>DIMENSIONAL DATA STRUCTURES</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 July 8, 2014 and given Application No. 14/325,642 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 ______ 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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

Application No.	Filing Date	Office

<u>A.M.</u>	Jone 30, 2014	
Inventor's Signature	Date	
Gregory Hughes		
Printed Name in English	Printed Name in Native Language	
	(if other than English)	

I <u>Michael J. Coulson</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>CONSTRUCTING QUERIES FOR EXECUTION OVER MULTI-</u><u>DIMENSIONAL DATA STRUCTURES</u>" ("APPLICATION"), which:

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Application No.	Filing Date	Office

s Signature Michael J. Coulson Printed Name in Native Language Printed Name in English (if other than English)

I <u>Alexandre Tristan St-Cyr</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>CONSTRUCTING QUERIES FOR EXECUTION OVER MULTI-</u><u>DIMENSIONAL DATA STRUCTURES</u>" ("APPLICATION"), which:

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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).

์ก**ัven**๙or's Sianature Date Alexandre Tristan St-Cyr

Alexandre Tristan St-Cyr Printed Name in English

Printed Name in Native Language (if other than English)

Page 2 of 2

I <u>Faisal Mohamood</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>CONSTRUCTING QUERIES FOR EXECUTION OVER MULTI-</u><u>DIMENSIONAL DATA STRUCTURES</u>" ("APPLICATION"), which:

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Application No.	Filing Date	Office

6/27/2014 Inventof's Signature Date Faisal Mohamood Printed Name in English Printed Name in Native Language (if other than English)

I <u>Theresa Palmer-Boroski</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>CONSTRUCTING QUERIES FOR EXECUTION OVER MULTI-</u><u>DIMENSIONAL DATA STRUCTURES</u>" ("APPLICATION"), which:

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Application No.	Filing Date	Office

's Signature Date Inventor Theresa Palmer-Boroski Printed Name in Native Language Printed Name in English (if other than English)

I <u>Clemens Szyperski</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>CONSTRUCTING QUERIES FOR EXECUTION OVER MULTI-</u><u>DIMENSIONAL DATA STRUCTURES</u>" ("APPLICATION"), which:

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Application No.	Filing Date	Office

JULY 2014 OIInventor's Signature Date n/a Clemens Szyperski Printed Name in English Printed Name in Native Language (if other than English)

I <u>Marius Dumitru</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>CONSTRUCTING QUERIES FOR EXECUTION OVER MULTI-</u> <u>DIMENSIONAL DATA STRUCTURES</u>" ("APPLICATION"), which:

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Application No.	Filing Date	Office

D.Mars	717/2014
Inventor's Signature	Date
Marius Dumitru	
Printed Name in English	Printed Name in Native Language
	(if other than English)