

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MARWAN E. JUBRAN	11/25/2014
ALEKSANDR M. GERSHAFT	11/25/2014
VITALII TSYBULNYK	11/25/2014
<b>RECEIVING PARTY DATA</b>	
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<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>
<b>Application Number:</b>	14557402
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
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<b>Correspondent Name:</b>	SHOOK, HARDY & BACON L.L.P.
<b>Address Line 1:</b>	2555 GRAND BLVD.
<b>Address Line 4:</b>	KANSAS CITY, MISSOURI 64108
<b>ATTORNEY DOCKET NUMBER:</b>	355795.01/MFCP.217280
<b>NAME OF SUBMITTER:</b>	GEORGE-LEONARD N. NGENGWE
<b>SIGNATURE:</b>	/GEORGE-LEONARD N. NGENGWE/
<b>DATE SIGNED:</b>	09/29/2016
<b>Total Attachments: 6</b>	
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PATENT ASSIGNMENT

I, MARWAN E. IUBRAN ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DATACENTER TOPOLOGY DEFINITION SCHEMA" ("APPLICATION"), which:

will be filed. ASSIGNOR hereby authorizes and requests ASSIGNEE'S legal representatives, of Shook, Hardy & Bacon L.L.P., 2555 Grand Blvd., Kansas City, Missouri 64108, who are associated with Customer Number 45809 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on 12/01/2014 and given Application No. 14/557,402 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 "\_\_\_\_\_";

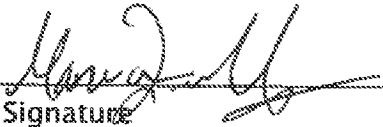
Microsoft Technology Licensing, LLC, a Washington limited liability company, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (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"));

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, 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"));

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).

	<u>11-25-2014</u>
Inventor's Signature	Date
<u>MARWAN E. IUBRAN</u>	<u>مروان ع. إوبران</u>
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

I, ALEKSANDR M. GERSHAFT ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DATACENTER TOPOLOGY DEFINITION SCHEMA" ("APPLICATION"), which:

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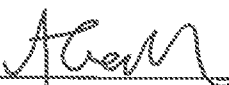
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	<u>11/25/2014</u>
Inventor's Signature	Date
<u>ALEKSANDR M. GERSHAFT</u>	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

I, VITALII TSYBULNYK ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DATACENTER TOPOLOGY DEFINITION SCHEMA" ("APPLICATION"), which:

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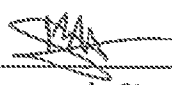
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	11/25/2014
_____ Inventor's Signature	_____ Date
VITALII TSYBULNYK	Віталій Цибульник
_____ Printed Name in English	_____ Printed Name in Native Language (if other than English)