

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4692253

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
NEAL R. CHRISTIANSEN	10/01/2017
RAVISANKAR V. PUDIPEDDI	10/31/2017
SCOTT A. BRENDER	08/23/2017
SAROSH C. HAVEWALA	09/14/2017
PING XIE	08/23/2017
CRAIG ASHLEY BARKHOUSE	08/23/2017
LEI SHI	08/23/2017
RECEIVING PARTY DATA	
Name:	MICROSOFT TECHNOLOGY LICENSING, LLC
Street Address:	ONE MICROSOFT WAY
City:	REDMOND
State/Country:	WASHINGTON
Postal Code:	98052
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15493517
CORRESPONDENCE DATA	
Fax Number:	(215)568-3439
<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>	
Phone:	2155683100
Email:	Assignments@bakerlaw.com
Correspondent Name:	BAKER & HOSTETLER LLP
Address Line 1:	2929 ARCH STREET
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Address Line 4:	PHILADELPHIA, PENNSYLVANIA 19104-2891
ATTORNEY DOCKET NUMBER:	401854-US-NP
NAME OF SUBMITTER:	DEBORAH WHIPPLE
SIGNATURE:	/Deborah Whipple/
DATE SIGNED:	11/16/2017

PATENT

Total Attachments: 14

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I Neal R. Christiansen ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Storage Virtualization for Directories" ("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 _____ and given Application No. _____ by the following Office _____) this APPLICATION's Application No., filing date, and Office, when known;

was filed on April 21, 2017 and was given Application No. 15/493,517 by the following Office "United States Patent and Trademark 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"));

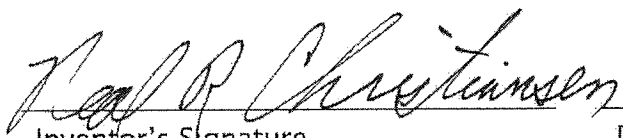
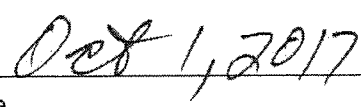
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For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, ASSIGNOR's entire and exclusive rights, title and interest, including the right of priority, 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).

	
Inventor's Signature	Date
<u>Neal R. Christiansen</u>	<u></u>
Printed Name in English	Printed Name in Native Language (if other than English)

I Ravisankar V. Pudipeddi ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Storage Virtualization for Directories" ("APPLICATION"), which:

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 _____ Inventor's Signature	<u>10/31/17</u> _____ Date
<u>Ravisankar V. Pudipeddi</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I Scott A. Brender ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Storage Virtualization for Directories" ("APPLICATION"), which:

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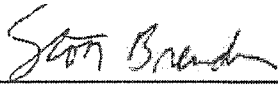
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 _____ Inventor's Signature	<u>8/23/2017</u> _____ Date
Scott A. Brender _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I Sarosh C. Havewala ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Storage Virtualization for Directories" ("APPLICATION"), which:

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MS Docket No.: 401854-US-NP

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 _____ Inventor's Signature	<u>9/16/2017</u> _____ Date
<u>Sarosh C. Havewala</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I Ping Xie ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Storage Virtualization for Directories" ("APPLICATION"), which:

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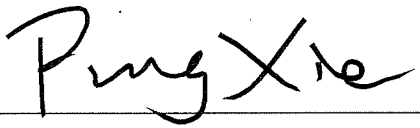
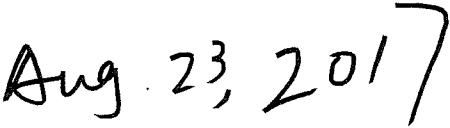
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_____ Inventor's Signature	_____ Date
<u>Ping Xie</u>	_____
Printed Name in English	Printed Name in Native Language (if other than English)

I Craig Ashley Barkhouse ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Storage Virtualization for Directories" ("APPLICATION"), which:

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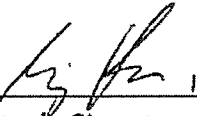
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 _____ Inventor's Signature	<u>Aug 23, 2017</u> _____ Date
<u>Craig Ashley Barkhouse</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I Lei Shi ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Storage Virtualization for Directories" ("APPLICATION"), which:

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<u>Lei Shi</u>	<u>08/23/2017</u>
Inventor's Signature	Date
<u>Lei Shi</u>	<u>Lei Shi</u>
Printed Name in English	Printed Name in Native Language (if other than English)