## 11/16/2017 504645533

# 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:	me: 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

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.

Phone: 2155683100

Email: Assignments@bakerlaw.com **Correspondent Name: BAKER & HOSTETLER LLP** 

2929 ARCH STREET Address Line 1:

Address Line 2: CIRA CENTRE, 12TH FLOOR

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

PAIENI REEL: 044149 FRAME: 0957 504645533

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PATENT REEL: 044149 FRAME: 0958

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inventor	of	subject	matter	("INVENTION")	disclosed	and/or	claimed	in	a	patent
application	on e	ntitled "S	Storage \	/irtualization for	Directorie	<u>s</u> " ("APPL	ICATION"	), wł	nic	1:

will	be	filed.	ASSIGNO	R h	ereby	autho	orize	es,	and	req	uests,
 ASSI	GNE	E'S legal	represent	ativ	e, Micr	osoft	Tec	hno	logy	Lice	nsing,
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Appl	icati	on No., f	iling date,	and	Office	, wher	ı kno	own	ι;		

was filed on <u>April 21, 2017</u> and was given Application

No <u>15/493,517</u> by the following Office "<u>United States Patent and</u>

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")):

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

Page 1 of 2

REEL: 044149 FRAME: 0959

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

Neal R. Christiansen

Printed Name in English

Printed Name in Native Language

(if other than English)

REEL: 044149 FRAME: 0960

Application No.

PATENT ASSIGNMENT	MIS Docket No.:401634-05-NF
I <u>Ravisankar V. Pudipeddi</u> ("ASSIGNOR") joint inventor of subject matter ("INVENTION" application entitled " <u>Storage Virtualization for E</u>	) disclosed and/or claimed in a patent
ASSIGNEE'S legal representative, LLC, One Microsoft Way, Redmond LEGAL REPRESENTATIVES), to in onNo.	d, Washington 98052 (ASSIGNEE'S sert here in parentheses (filed and given Application by the following) this APPLICATION's
was filed on <u>April 21, 2017</u> and was <u>15/493,517</u> by the following <u>Trademark Office</u> ";	
Microsoft Technology Licensing, LLC, a V behalf of itself and its successors and assig desirous of acquiring, the entire and exclusive right of priority, in the INVENTION and the APPI patents derived therefrom, such as continuing for the United States, its territories, and DERIVATIVES"));	ns ("ASSIGNEE"), is entitled to, and is rights, title and interest, including the ICATION (and all other applications and applications, in whole or in part, in and
ASSIGNOR hereby authorizes, a REPRESENTATIVES to insert the Application	nd requests, ASSIGNEE'S LEGAL No., filing date, and Office into the

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

Office

following table for any APPLICATION DERIVATIVES after they are known;

Filing Date

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"));

Inventor's Signature	/0/31/17- Date
Ravisankar V. Pudipeddi	
Printed Name in English	Printed Name in Native Language
	(if other than English)

Application

# PATENT ASSIGNMENT

on

	I Scott A. Brender ("ASSIGNOR") am the original inventor or an original joint
	or of subject matter ("INVENTION") disclosed and/or claimed in a patent
applic	ation 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

No. \_\_\_\_\_ by the following
Office \_\_\_\_\_\_ this APPLICATION's

LEGAL REPRESENTATIVES), to insert here in parentheses (filed

and

given

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"));

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;

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MS Docket No.:401854-US-NP

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"));

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

MS Docket No.: <u>401854-US-NP</u>

		riginal inventor or an original join
inventor of subject matter (	'INVENTION") disclos	sed and/or claimed in a paten
application entitled "Storage Vir	<u>tualization for Direct</u>	ories" ("APPLICATION"), which:
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Аррисасіон No., п	ling date, and Office,	, when known,
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⊠ was filed on <u>April</u>		
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Trademark Office'	);	
Microsoft Technology Lic	ensing, LLC, a Washi	ington limited liability company, o
behalf of itself and its succes	ssors and assigns ('	"ASSIGNEE"), is entitled to, and i
desirous of acquiring, the entire	re and exclusive righ	nts, title and interest, including th
right of priority, in the INVENTI-	ON and the APPLICAT	FION (and all other applications an
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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"));

Steenewale	9/14/2017
Inventor's Signature	Date
Sarosh C. Havewala	
Printed Name in English	Printed Name in Native Language (if other than English)

subject matt	er ("INVENTION") c	lisclosed and/or claimed i	or an original joint inventor of n a patent application entitled
"Storage Virt	ualization for Direc	ctories" ("APPLICATION"), w	vnicn:
	LLC, One Microso LEGAL REPRESENT on No.	ASSIGNOR hereby auth representative, Microsoft ft Way, Redmond, Washing TATIVES), to insert here and by	Technology Licensing, pton 98052 (ASSIGNEE'S
		iling date, and Office, whe	
		<u>21, 2017</u> and was given A by the following Office " <u>Ur</u> ";	
behalf of its desirous of a right of prior patents deriv	self and its succe acquiring, the enti rity, in the INVENTI red therefrom, suc ited States, its	ssors and assigns ("ASSIO re and exclusive rights, ti ON and the APPLICATION h as continuing applicatio	n limited liability company, on GNEE"), is entitled to, and is tle and interest, including the (and all other applications and ns, in whole or in part, in and gn countries ("APPLICATION
REPRESENTA	TIVES to insert t		uests, ASSIGNEE'S LEGAL g date, and Office into the ney are known;
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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

Page 1 of 2

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"));

PingXre	Aug 23, 2017	
Inventor's Signature	Date	
Ping Xie		
Printed Name in English	Printed Name in Native Language (if other than English)	

MS Docket No.: 401854-US-NP

I <u>Craig Ashley Barkhous</u> joint inventor of subject matte application entitled " <u>Storage Vi</u>	er ("INVENTION") disclose	
ASSIGNEE'S legal LLC, One Microso LEGAL REPRESEN' on No. Office	ASSIGNOR hereby authorepresentative, Microsofift Way, Redmond, Washin TATIVES), to insert here and by	t Technology Licensing, gton 98052 (ASSIGNEE'S in parentheses (filed given Application the following ) this APPLICATION's
	<u>21, 2017</u> and was given <i>i</i> by the following Office " <u>U</u> ';	
Microsoft Technology Lice behalf of itself and its succe desirous of acquiring, the enti- right of priority, in the INVENTI patents derived therefrom, suc- for the United States, its to DERIVATIVES"));	ssors and assigns ("ASSI re and exclusive rights, t ON and the APPLICATION h as continuing application	itle and interest, including the (and all other applications and ons, in whole or in part, in and
ASSIGNOR hereby REPRESENTATIVES to insert the following table for any APPLICA	he Application No., filin	•
Application No.	Filing Date	Office

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"));

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

MS Docket No.:401854-US-NP

I Lei Shi ("ASSIGNOR") a	m the original inventor	or an original joint inventor of
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will be filed.	ASSIGNOR hereby aut	horizes, and requests,
ASSIGNEE'S legal	representative, Microsof	t Technology Licensing,
LLC. One Microso	ft Way, Redmond, Washin	gton 98052 (ASSIGNEE'S
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Leishi	08/23/2017
Inventor's Signature	Date
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