504171881 01/10/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4218559

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GIRISH MITTUR VENKATARAMANAPPA	09/23/2016
ZHENGGUO SUN	09/27/2016
VARUN KUNJBIHARI TIBREWAL	09/23/2016
STEVEN JOHN LINDELL	09/30/2016
SAMEER ARUN VERKHEDKAR	09/30/2016
SANDEEP LINGAM	09/27/2016
COLIN NEVILLE	09/28/2016

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:	15402781

CORRESPONDENCE DATA

Fax Number: (248)641-0270

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.

using a lax number, it provided, it that is unsuccessful, it will be sent via 05

Phone: 248-641-1600

Email: usdocket@microsoft.com

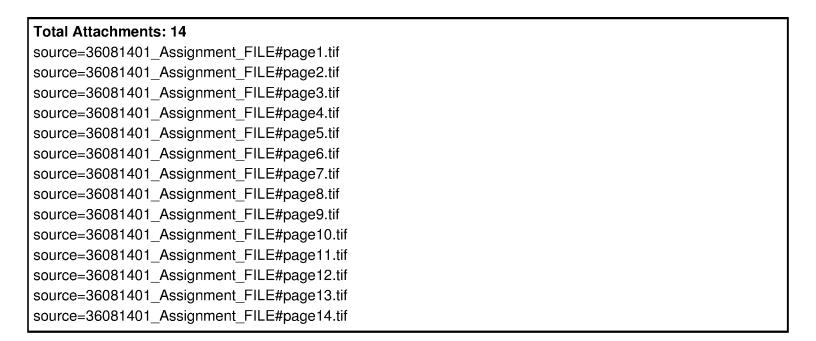
Correspondent Name: HARNESS, DICKEY & PIERCE, P.L.C.

Address Line 1: P.O. BOX 828

Address Line 4: BLOOMFIELD HILLS, MICHIGAN 48303

ATTORNEY DOCKET NUMBER: 98052-15-04/400099-USCNT4	
NAME OF SUBMITTER:	HOLLY NOWICKI
SIGNATURE:	/Holly Nowicki/
DATE SIGNED:	01/10/2017

PATENT REEL: 040936 FRAME: 0873



PATENT REEL: 040936 FRAME: 0874

PATENT ASSIGNMENT

I	Girish Mittur VENKAT	<u>TARAMANAPPA</u>	("ASSIGNOR")	am the original
inventor	or an original joint invento	or of subject matt	er ("INVENTION")	disclosed and/or
claimed	in a patent application enti	tled "DISTRIBUT	ED AVAILABILI	TY GROUPS OF
DATAB/	ASES FOR DATA CENTER	RS" ("APPLICATION	۹"), which:	

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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).

4465	9/23/2016
Inventor's Signature	Date
Girish Mittur VENKATARAMANAPPA	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

I Zhengquo SUN ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DISTRIBUTED AVAILABILITY GROUPS OF DATABASES FOR DATA CENTERS" ("APPLICATION"), which:

	ASSIGNEE'S lega LLC, One Micros	l representative, Microso oft Way, Redmond, Wash	oft Technology Licensing, Ington 98052 (ASSIGNEE'S Ing in parentheses (filed
			given Application
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		filing date, and Office, w) this APPLICATION's hen known;
	was filed on	and was give	en Application
		by the following Off	
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right of prior patents deriv	ity, in the INVENT ved therefrom, su ited States, its	TON and the APPLICATIO ch as continuing applica	title and interest, including the N (and all other applications and tions, in whole or in part, in and reign countries ("APPLICATION
REPRESENTA	TIVES to insert		equests, ASSIGNEE'S LEGAL ling date, and Office into the they are known;
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DATERIT ACCIONIMENIT

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"));

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Z-2 1/2 1/2]	9/27/2016
Inventor's Signature	Date
Zhengguo SUN	孙征国
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

ı Varun Kunj <u>bihari TIBREWAL</u> ("ASSIGNOR") am the original inventor o	
original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a page	atent
application entitled "DISTRIBUTED AVAILABILITY GROUPS OF DATABASES F	OR
DATA CENTERS", 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;
Application (10), ming date, and a many
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	
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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).

PATENT ASSIGNMENT

Josep Three and	09/23/2016
Inventor's Signature	Date
Varun Kunjbihari TIBREWAL	

PATENT ASSIGNMENT

I <u>Steven John LINDELL</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DISTRIBUTED AVAILABILITY GROUPS OF DATABASES FOR DATA CENTERS" ("APPLICATION"), which:

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right of prior	rity, in the INVENT ved therefrom, suc ited States, its	ION and the APPLICATE TO THE APPLICATE T	ATION (and all olications, in v	interest, including the l other applications and whole or in part, in and untries ("APPLICATION
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REPRESENTA	TIVES to insert t	he Application No	., filing date	, and Office into the
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PATENT ASSIGNMENT

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	9/30/2016
Inventor's Signature	Date
Steven John LINDELL	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

I <u>Sameer Arun VERKHEDKAR</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DISTRIBUTED AVAILABILITY GROUPS OF DATABASES FOR DATA CENTERS" ("APPLICATION"), which:

\boxtimes	will be filed. ASSIGNO	R hereby auth	orizes, and requests,
	ASSIGNEE'S legal represent	ative, Microsoft	Technology Licensing,
	LLC, One Microsoft Way, Re-	dmond, Washing	gton 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, whe	n known;
	was filed on	and was given	Application
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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

PATENT ASSIGNMENT

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"));

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Elmenleshnedra	9/30/2016
Inventor's Signature	Date
Sameer Arun VERKHEDKAR	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

I Sandeep LINGAM ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DISTRIBUTED AVAILABILITY GROUPS OF DATABASES FOR DATA CENTERS" ("APPLICATION"), which:

\boxtimes	will be filed.	ASSIGNOR hereb	y authorizes,	and requests,		
	ASSIGNEE'S legal representative, Microsoft Technology Licensing,					
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	LEGAL REPRESE	NTATIVES), to inse	rt here in par	entheses (filed		
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/)		www
L. Kil	09/27/2011	
Inventor's Signature	Date	
Sandeep LINGAM	గంలేడ్	
Printed Name in English	Printed Name in Native Langua	ge
	(if other than English)	

PATENT ASSIGNMENT

I <u>Colin NEV</u>	ILLE ("ASSIGNOR")	am the original	l inventor or an	original joint
inventor of subjec	t matter ("INVENT	TON") disclosed	and/or claimed	in a patent
application entitled	"DISTRIBUTED A	VAILABILITY GI	ROUPS OF DAT	ABASES FOR
DATA CENTERS" (("APPLICATION"), wh	nich:		

LLC, One Microsoft	Way, Redmond, Washi	ngton 9805:	2 (ASSIGNEE'S
LEGAL REPRESENTA	ATIVES), to insert he	re in parer	itheses (filed
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Office) this A	PPLICATION's
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distil	9/28/2516
Inventor's Signature	Date
Colin NEVILLE	
Printed Name in English	Printed Name in Native Language
	(if other than English)