## 503988893 09/01/2016

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4035550

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
VIVEK R. NARASAYYA	01/11/2013
SUDIPTO DAS	01/11/2013
MANOJ A. SYAMALA	01/11/2013
HYUNJUNG PARK	01/04/2013
BADRISH CHANDRAMOULI	01/04/2013
SURAJIT CHAUDHURI	01/20/2013
FENG LI	01/08/2013

#### **RECEIVING PARTY DATA**

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

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15252972

### **CORRESPONDENCE DATA**

**Fax Number:** (509)323-8979

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:** 509-324-9256

Email: saybram@leehayes.com
Correspondent Name: LEE & HAYES, PLLC

Address Line 1: 601 W. RIVERSIDE AVENUE STE 1400

Address Line 4: SPOKANE, WASHINGTON 99201

ATTORNEY DOCKET NUMBER:	MS1-5352USC1
NAME OF SUBMITTER:	SAYBRA MORRIS
SIGNATURE:	/Saybra Morris/
DATE SIGNED:	09/01/2016

PATENT 503988893 REEL: 039618 FRAME: 0340

otal Attachments: 14
ource=1JX1563#page1.tif
ource=1JX1563#page2.tif
ource=1JX1563#page3.tif
ource=1JX1563#page4.tif
ource=1JX1563#page5.tif
ource=1JX1563#page6.tif
ource=1JX1563#page7.tif
ource=1JX1563#page8.tif
ource=1JX1563#page9.tif
ource=1JX1563#page10.tif
ource=1JX1563#page11.tif
ource=1JX1563#page12.tif
ource=1JX1563#page13.tif
ource=1JX1563#page14.tif

PATENT REEL: 039618 FRAME: 0341

]	PATENT ASSIGNMENT	MS Docket No.:	338121.01
	At	torney Docket No.:	MS1- 5352US
<u> </u>	Vivek R. Narasayya	-	
or an original joint ir	ventor of subject matter (	"INVENTION") disclo	sed and/or claimed
in a patent applicatio	n entitled		
Isolating R	Resources and Performance in a	Database Management	: System
("APPLICATION"), whi	ch:		
	filed. ASSIGNOR here	eby authorizes, a	nd requests,
ASSIGNE	EE'S legal representatives,	of the Law and Cor	porate Affairs
	nent, Microsoft Corporatio		
	gton 98052 (ASSIGNEE'S LE		
	parentheses (filed on		
, ,	tion No. <u>13/747,686</u> by	<del></del>	
	Patent and Trademark		PPLICATION's
	tion No., filing date, and O		<b>A.</b> I
	d onand v		
	by the following	Office " <u>US – United</u>	States Patent
and Trademark Office)";  Microsoft Corporation, a Washington Corporation, on behalf of itself and its			
	poration, a washington c yns ("ASSIGNEE"), is entitle		
	rights, title and interest in		
	ications and patents de		
applications, in and for the United States, its territories, and all foreign countries			
("APPLICATION DERIVATIVES"));			
	nereby authorizes, ar		
	insert the Application		
	APPLICATION DERIVATIV	ES after they are Kn Office	own;
Application No.	Filing Date	Office	
		·····	
Lance to the second sec	\$ .	§	8

Attorney Docket No.: MS1-5352US

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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

NANWY	7-11-2013
Inventor's Signature	Date
Vivek R. Narasayya	
Printed Name in English	Printed Name in Native Language
	(if other than English)

	PAIENIA	1221QIAMEN 1	I IMS DO	CKCLING	000121.01	
			Attorney Do	cket No.:	MS1- 5352US	3
	Sudipto [					
	al joint inventor of					
_	pplication entitled	<b>.</b>	•	•		
-		d Doeformanao ir	a Dotabasa M	lanacement	System	
	Isolating Resources ar	d Penormance ii	i a Dalabase iv	ianagement	Oystem	
					······	
("APPLICATIO	)N"), which:					
$\boxtimes$	will be filed.	ASSIGNOR h	ereby autho	orizes, ar	id requests	7
	ASSIGNEE'S legal	epresentative:	s, of the Law	and Corp	orate Affair:	;
	Department, Micro	osoft Corporat	ion, One Mi	crosoft Wa	y, Redmond	,
	Washington 9805	2 (ASSIGNEE'S	LEGAL REPRI	ESENTATIV	'ES), to inser	t
	here in parenth	eses (filed o	n <u>1 23 </u>	2013	and giver	1
	Application No. 1	3/747,686	by the follow	wing Office	e US – United	Ĭ
	States Patent a	and Tradema	irk Office)	this Af	PPLICATION'	5
	Application No., fi	ling date, and	Office, when	n known;		
	was filed on	and	d was given /	<b>Application</b>	n No	
						<u>t</u>
	and Trademark O		-			
Micro	soft Corporation,		Corporation	n, on beha	alf of itself	and its
	and assigns ("ASSIC					
	xclusive rights, tit					
	her applications					
	, in and for the l					
	ON DERIVATIVES"));					
(1000	,,,					
ASSIG	NOR hereby	authorizes,	and requ	iests, A	SSIGNEE'S	LEGAL
	TIVES to insert t					
	ole for assy APPLICA					
Application I		Filing Date		Office		
<u> </u>		<del> </del>				

Attorney Docket No.: MS1-5352US

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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

Julyto Das	1-11-2013
Inventor's Signature	Date
Sudipto Das	
Printed Name in English	Printed Name in Native Language
	(if other than English)

	PATENT A	ASSIGNMENT	MS Docke	et No.:	338121.01
		At	torney Dock	et No.:	MS1- 5352US
1	Manoj A. Sy	amala	("ASSIGNO	R") am t	he original inventor
					sed and/or claimed
in a patent a	pplication entitled				
	Isolating Resources ar	d Performance in a	Database Man	agement	System
("APPLICATIO	ON"), which:				
$\boxtimes$	will be filed.	ASSIGNOR here	eby authori	zes, an	d requests,
	ASSIGNEE'S legal i	representatives,	of the Law a	ınd Corp	orate Affairs
	Department, Micro				
	Washington 9805	2 (ASSIGNEE'S LE	GAL REPRESI	ENTATIV	ES), to insert
	here in parenth	eses (filed on	11991501	066	and given
	Application No. 1				
	States Patent a				PLICATION 5
П	was filed on				No.
i	was med on	by the following	Office "US -	. United	States Patent
	and Trademark O		Office <u>os</u>	<u> Omco</u>	Jeacos i acorre
Micro			orporation,	on beha	alf of itself and its
					is of acquiring, the
entire and e	exclusive rights, tit	le and interest i	n the INVEN	TION an	d the APPLICATION
	(and all other applications and patents derived therefrom, such as continuing				
applications, in and for the United States, its territories, and all foreign countries					
("APPLICATION DERIVATIVES"));					
ACCIC	NOD horoby	authorizas a	nd realies	sts Δ	SSIGNEE'S LEGAL
					nd Office into the
	ble for any APPLICA				
Application		Filing Date		ffice	
<u></u>		ļ			

Attorney Docket No.: MS1-5352US

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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

North Control of the	1-11-2013
Inventor's Signature	Date
Manoj A. Syamala	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENTA	ASSIGNMENT MS L	Jocket No.: 338121.01		
	Attorney I	Oocket No.: MS1- 5352US		
1 Hyuniung	•	GNOR") am the original inventor		
		TON") disclosed and/or claimed		
	subject mutter ( metalli.	,		
in a patent application entitled				
Isolating Resources an	d Performance in a Database	Management System		
("APPLICATION"), which:				
•	ASSICNOR hereby aut	thorizes, and requests,		
_		aw and Corporate Affairs		
		Microsoft Way, Redmond,		
Washington 98052	ASSIGNEE'S LEGAL REI د المحادث	PRESENTATIVES), to insert		
here in parenth	eses (filed on 11.4.2	2013 and given		
		lowing Office <u>US – United</u>		
		e) this APPLICATION's		
	ling date, and Office, wh			
was filed on	and was give	n Application No		
	by the following Office "	<u> 'US – United States Patent</u>		
and Trademark O				
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, titl	e and interest in the IN	IVENTION and the APPLICATION		
(and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries				
("APPLICATION DERIVATIVES"));				
(All Electricity Deliter than 17)				
ASSIGNOR hereby	authorizes, and re	quests, ASSIGNEE'S LEGAL		
		ing date, and Office into the		
following table for any APPLICA	TION DERIVATIVES after	thew are known:		
Application No.	Filing Date	Office		
Application No.	Timing Date			

PATENT ASSIGNMENT MS Docket No.: 338121.01

Attorney Docket No.: MS1- 5352US

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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

2/2	2013-01-04
Inventor's Signature	Date
Hyunjung Park	박현정
Printed Name in English	Printed Name in Native Language
_	(if other than English)

PATENT	'ASSIGNMENT	MS Docket No.:	338121.01
	At	ttorney Docket No.:	MS1- 5352US
Suraiit Ch			the original inventor
or an original joint inventor of			
in a patent application entitled		( 1144 2713 1 1 2 2 1 7 2 1 7 2 1 7 2 1 7 2 1 7 1 7	
•			
Isolating Resources	and Performance in a	Database Management	System
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
("APPLICATION"), which:			
🛛 will be filed.	ASSIGNOR her	eby authorizes, a	nd requests,
ASSIGNEE'S lega	representatives,	of the Law and Cor	porate Affairs
<del>-</del>		n, One Microsoft W	
		GAĻ REPRESENTATI	
here in parent	heses (filed on	1/23/2013	and given
		y the following Offic	
- •		<u>c Office</u> ) this A	The state of the s
		ffice, when known;	
was filed on	and v	vas given Applicatio	n No
		Office " <u>US – United</u>	
and Trademark (			
Microsoft Corporation,		orporation, on beh	alf of itself and its
successors and assigns ("ASS			
entire and exclusive rights, t			
(and all other applications			
applications, in and for the			
("APPLICATION DERIVATIVES")			
ASSIGNOR hereby	authorizes, a	nd requests, A	ASSIGNEE'S LEGAL
REPRESENTATIVES to insert	the Application	No., filing date, a	nd Office into the
following table for any APPLIC	ATION DERIVATIV	ES after they are kno	own:
Application No.	Filing Date	Office	
	1		

Attorney Docket No.: MS1- 8352US

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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

- Sorgit Chardle	1/20/2012
Inventor's Signature	Date
Surajit Chaudhuri	
Printed Name in English	Printed Name in Native Language (if other than English)

	PATENT A	ASSIGNMENT	MS Docket No.:	338121.01
		A	ttorney Docket No.:	MS1- 5352US
1	Badrish Chan			the original inventor
or an origina				osed and/or claimed
in a patent a	pplication entitled			
	Isolating Resources ar	nd Performance in a	Database Managemer	ıt System
			•	•
("APPLICATIO	JNI") which:			
	• •	ASSIGNOR her	eby authorizes, a	and requests.
فتسمتا			of the Law and Co	
		•	on, One Microsoft W	
	•	•	EGAL REPRESENTAT	=
			1/23/2013	
		- 1 T	y the following Offi	
	States Patent	<u>and Trademarl</u>	<u>c Office</u> ) this /	APPLICATION's
	Application No., f	iling date, and C	office, when known;	
			was given Application	
		by the following	office " <u>US – Unite</u>	<u>d States Patent</u>
	and Trademark O		_	
				half of itself and its
				ous of acquiring, the
				and the APPLICATION
				such as continuing all foreign countries
	, in and for the t ON DERIVATIVES"));	Jinted States, i	is territories, and	an ioicign coantinos
(Allecali	JIV DEMIANTIAES //,			
ASSIG	NOR hereby	authorizes, a	nd requests,	ASSIGNEE'S LEGAL
				and Office into the
following tal	ble for any APPLICA	TION DERIVATIV	/ES after they are ki	nown
Application	No.	Filing Date	Office	
		<u> </u>		

Attorney Docket No.: MS1-5352US

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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

c.Badrish	1/4/2013
Inventor's Signature	Date
Badrish Chandramouli	
Printed Name in English	Printed Name in Native Language (if other than English)

P.	ATENT ASSIGNMENT	MS Docket No.:	338121.01
	Λtı	torney Docket No.:	MS1- 5352US
<b></b>	Feng Li	•	
	ventor of subject matter ('		
in a patent application			
Isolatina Re	esources and Performance in a	Database Mananemen	t Svetem
130104119 (44	reduced and i streethaned in a	Desaber Meslegalian	
("APPLICATION"), whic	t		
( APPLICATION ), WIIIC		ahu authorizae a	nd raquatte
		•	
	E'S legal representatives, ent, Microsoft Corporation		
	ton 98052 (ASSIGNEE'S LE		
	parentheses (filed on		
Applicat	ion No. 13 747,686 by	the following Office	ce <u>US – United</u>
	Patent and Trademark		
	ion No., filing date, and O		
☐ was filed	d onand v	vas given Applicatio	n No
	by the following		
	demark Office)";		
	ooration, a Washington C		
	ns ("ASSIGNEE"), is entitle		
entire and exclusive	rights, title and interest i	n the INVENTION a	nd the APPLICATION
	ications and patents de		
	for the United States, it	s territories, and	all foreign countries
("APPLICATION DERIV	ATIVES"));		
ACCICAIOD I	nereby authorizes, a	nd requests.	ASSIGNEE'S LEGAL
DEDDESENTATIVES to	insert the Application	No., filing date,	and Office into the
following table for an	Y APPLICATION DERIVATIV	ES after they are kn	10Wn;
Application No.	Filing Date	Office	

Attorney Docket No.: MS1-5352US

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 in the INVENTION and the APPLICATION (and 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).

); Fey Jan/08/2013

Inventor's Signature

Feng Li

Printed Name in English

Date

Printed Name in Native Language

(if other than English)

REEL: 039618 FRAME: 0355