503399776 07/20/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3446401

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MIGUEL OOM TEMUDO DE CASTRO	07/10/2015
ALEKSANDAR DRAGOJEVIC	07/14/2015
DUSHYANTH NARAYANAN	07/10/2015

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:	14804000				

CORRESPONDENCE DATA

Fax Number:

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: 425-707-9382

Email: mkey@zetelaw.com

Correspondent Name: MICROSOFT TECHNOLOGY LICENSING, LLC

Address Line 1: ONE MICROSOFT WAY

Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	357607.02
NAME OF SUBMITTER:	MACLANE C. KEY
SIGNATURE:	/MacLane C. Key/
DATE SIGNED:	07/20/2015

Total Attachments: 6

source=357607_02_Assignment_Castro#page1.tif source=357607_02_Assignment_Castro#page2.tif source=357607_02_Assignment_Narayanan#page1.tif source=357607_02_Assignment_Narayanan#page2.tif

PATENT 503399776 REEL: 036137 FRAME: 0489

source=357607_02_Assignment_Dragojevic#page1.tif source=357607_02_Assignment_Dragojevic#page2.tif

PATENT REEL: 036137 FRAME: 0490

original join	t inventor of subjec	,	m the original inventor or an isclosed and/or claimed in a ("APPLICATION"), which:
	ASSIGNEE'S legal r LLC., One Microsof	ASSIGNOR hereby authorepresentative, Microsoft tway, Redmond, Washing ATIVES), to insert here	Technology Licensing, ton 98052 (ASSIGNEE'S
		and given Application	
	the following Offic	e <u>USPTO</u> plication No., filing date, ar) this
	ATTECHNION STAP	meation ito., ining date, at	id Office, when known,
	was filed on	and was given A	application
		by the following Office	
	и 	, ".	
behalf of itse of acquiring priority, in the derived ther	elf and its successors, the entire and exc he INVENTION and t efrom, such as cont	s and assigns ("ASSIGNEE") clusive rights, title and in he APPLICATION (and all o cinuing applications, in wh	limited liability company, on, is entitled to, and is desirous terest, including the right of ther applications and patents nole or in part, in and for the PLICATION DERIVATIVES"));
	•	•	EE'S LEGAL REPRESENTATIVES the following table for any
		they are known;	o the following table for any
Application		Filing Date	Office

Page 1 of 2

PATENT REEL: 036137 FRAME: 0491

MS Docket No.: <u>357607.02</u>

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).

Mismel Com The	muto de los Não 10/2/
Inventor's Signature	Date
Miguel Oom Temudo de	
CASTRO	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 357607.02

I Dushyanth NARAYANAN ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "RECOVERY IN DATA CENTERS" ("APPLICATION"), which:

will	be	filed.	ASSIC	NOR	here	by a	autho	orize	s, ar	nd r	eque	sts,
ASSIG	NEE	'S lega	l repre	sentat	ive, N	∕licro	soft	Tech	nolo	gy Li	censi	ing,
LLC.,	Oı	ne M	icrosoft	Wa	y, R	edmo	ond,	Wa	shing	gton	980)52
(ASSI	GNE	E'S LE	EGAL	REPRE	SENTA	ATIVE	ES),	to	inse	rt l	nere	in
paren	thes	ses (fil	ed on	July	20, 201	15		and	giver	1 Ар	plicat	ion
No.		14/	804,000			by		the	e	f	ollow	/ing
Office	e _	USPTC))	thi	s Al	PPLIC	ATIO	N's
Appli	catio	on No.,	filing d	ate, a	nd Of	fice,	wher	ı kno	wn;			
was f	iled	on		a	and w	as gi	ven A	۱ppli	catio	n		
No _			by	the f	ollowi	ng O	ffice					
"					",							
	ASSIC LLC., (ASSIC parer No. Office Appli was f	ASSIGNEE LLC., O (ASSIGNEI parenthes No. Office _ Application was filed No	ASSIGNEE'S legal LLC., One M (ASSIGNEE'S LE parentheses (fill No	ASSIGNEE'S legal representation. (ASSIGNEE'S LEGAL parentheses (filed on 14/804,000) Office USPTO Application No., filing downs filed on	ASSIGNEE'S legal representate LLC., One Microsoft Was (ASSIGNEE'S LEGAL REPRE parentheses (filed on July 2 No	ASSIGNEE'S legal representative, May, R LLC., One Microsoft Way, R (ASSIGNEE'S LEGAL REPRESENTATION parentheses (filed on July 20, 201) No. 14/804,000 Office USPTO Application No., filing date, and Office was filed on and was filed on by the following street and office was filed on by the following street and office was filed on and was filed on	ASSIGNEE'S legal representative, Micro LLC., One Microsoft Way, Redmo (ASSIGNEE'S LEGAL REPRESENTATIVE parentheses (filed on by Office by Office by Office and Was gi No by the following Office	ASSIGNEE'S legal representative, Microsoft LLC., One Microsoft Way, Redmond, (ASSIGNEE'S LEGAL REPRESENTATIVES), parentheses (filed on July 20, 2015 No	ASSIGNEE'S legal representative, Microsoft Tech LLC., One Microsoft Way, Redmond, Wa (ASSIGNEE'S LEGAL REPRESENTATIVES), to parentheses (filed on by the Office) this Application No., filing date, and Office, when known was filed on and was given Application No by the following Office	ASSIGNEE'S legal representative, Microsoft Technology LLC., One Microsoft Way, Redmond, Washing (ASSIGNEE'S LEGAL REPRESENTATIVES), to inserparentheses (filed on July 20, 2015 and given No. 14/804,000 by the Office USPTO) this All Application No., filing date, and Office, when known; was filed on and was given Application No by the following Office	ASSIGNEE'S legal representative, Microsoft Technology Li LLC., One Microsoft Way, Redmond, Washington (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert if parentheses (filed on and given Application No by the following Office and was given Application No and was given Application No by the following Office	Office USPTO this APPLICATIOn 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

Page 1 of 2

MS Docket No.: 357607.02

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	10 July 2015 Date
Dushyanth NARAYANAN	
Printed Name in English	Printed Name in Native Language (if other than English)

I Aleksander DRAGOJEVIC ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "RECOVERY IN DATA CENTERS" ("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 July 20, 2015 and given Application 14/804,000 by No. the 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

Page 1 of 2

MS Docket No.: 357607.02

p	Λ	Т	EN	П	Α	8	31	(}]	18	Æ.	N	Т

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	,	
	5	<b>{</b>
	:	

MS Docket No.: 357607.02

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).

Lieungy grigilet	14TH JULY 2015	
Inventor's Signature	Date	
_Aleksander DRAGOJEVIC	ALEKSANDAR DRAGOJEVIĆ	
Printed Name in English	Printed Name in Native Language	
	(if other than English)	