505255699 12/28/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5302470

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NALIN RAJ GUPTA	12/05/2018
MOHIT GARG	12/04/2018
ASHOK KUMAR NANDOORI	12/05/2018
NING WEI	12/03/2018
ABHISHEK AGARWAL	12/27/2018
VIKRANT ARORA	12/04/2018

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:	16235025

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: 888-785-1482

Email: usdocket@microsoft.com

Correspondent Name: NEWPORT IP, LLC
Address Line 1: 1400 112TH AVE SE

Address Line 2: SUITE 100

Address Line 4: BELLEVUE, WASHINGTON 98004

ATTORNEY DOCKET NUMBER:	MS1-9249US
NAME OF SUBMITTER:	NOEMI TOVAR
SIGNATURE:	/Noemi Tovar/
DATE SIGNED:	12/28/2018

PATENT 505255699 REEL: 047867 FRAME: 0466

Total Attachments: 12

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PATENT REEL: 047867 FRAME: 0467

Client Docket No.: 404954-US-NP Attorney Docket No.: MS1-9249US

I <u>Nalin Raj GUPTA</u> ("	ASSIGNOR") am the ori	ginal inventor or an original joint
inventor of subject matte	r ("INVENTION") disclo	sed and/or claimed in a patent
application entitled "FAST	FAILOVER FOR GATEV	VAY INSTANCES" ("APPLICATION"),
which:		
will be filed.	ASSIGNOR hereby	authorizes, and requests,
		osoft Technology Licensing,
•	,	nond, Washington 98052
·	, ,	/ES), to insert here in
		on and given Application
No 16/235,02	by the following	Office <u>"US - United States</u>
		PLICATION's Application No.,
	<u>uemark Onice</u> , tills Arr l Office, when known;	releation 3 Application No.,
ining date, and	Office, when known,	
[]		
		vas given Application No
		Office " <u>US – United States</u>
Patent and Tra	demark Office";	
. .	•	ington limited liability company, on
	· ·	'ASSIGNEE"), is entitled to, and is
• •	-	its, title and interest, including the
		TON (and all other applications and
-		cations, in whole or in part, in and
•	s territories, and all	foreign countries ("APPLICATION
DERIVATIVES"));		
ASSIGNOR hereby	authorizes, and	requests, ASSIGNEE'S LEGAL
	• •	filing date, and Office into the
following table for any APPLI	CATION DERIVATIVES af	ter they are known;
Application No.	Filing Date	Office
		

Client Docket No.: 404954-US-NP Attorney Docket No.: MS1-9249US

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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")):

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Nolin Bei	12/5/2018
Inventor's Signature	Date
Nalin Raj GUPTA	
Printed Name in English	Printed Name in Native Language
	(if other than English)

Client Docket No.: 404954-US-NP Attorney Docket No.: MS1-9249US

I Mohit GARG ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "FAST FAILOVER FOR GATEWAY INSTANCES" ("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 December 28, 2018 and given Application No. 16/235,025 by the following Office "US - United States" Patent and Trademark Office"; this APPLICATION's Application No., filing date, and Office, when known; was filed on _____and was given Application No by the following Office "US - 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")); LEGAL ASSIGNOR hereby authorizes. and requests, ASSIGNEE'S REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known; Application No. Office Filing Date

Client Docket No.: 404954-US-NP Attorney Docket No.: MS1-9249US

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"));

Moraldas	12/4/18
Inventor's Signature	Date
Mohit GARG	
Printed Name in English	Printed Name in Native Language
	(if other than English)

Client Docket No.: 404954-US-NP Attorney Docket No.: MS1-9249US

I Ashok Kumar NANDOORI ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "FAST FAILOVER FOR GATEWAY INSTANCES" ("APPLICATION"), which: will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representative, Microsoft Technology Licensing, LLC., One Microsoft Way, Redmond, Washington (ASSIGNEE'S LEGAL REPRESENTATIVES). to insert here in December 28, 2018 and given Application parentheses (filed on No. 16/235,025 by the following Office "US - United States Patent and Trademark Office"; this APPLICATION's Application No.. filing date, and Office, when known; was filed on ______and was given Application No by the following Office "US - 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")): ASSIGNEE'S ASSIGNOR hereby authorizes. and requests, 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

Client Docket No.: 404954-US-NP Attorney Docket No.: MSI-9249US

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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")):

yann inolinas	no.	12/05/2018
Inventor's Signatur	Æ	Date
Ashok Kumar NAN	DOORI	
Printed Name in En	ıglish	Printed Name in Native Language
		(if other than English)

Client Docket No.: 404954-US-NP Attorney Docket No.: MS1-9249US

I <u>Ning WEI</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>FAST FAILOVER FOR GATEWAY INSTANCES</u>" ("APPLICATION"), which:

	ASSIGNEE'S legal LLC., One Mic (ASSIGNEE'S LEC parentheses (filed No. 16/235,025 Patent and Trader	ASSIGNOR hereby auth representative, Microsoft rosoft Way, Redmond, AL REPRESENTATIVES), I on December 28, 2018 by the following Offinark Office"; this APPLICA fice, when known;	Technology Licensing, Washington 98052 to insert here in and given Application ce <u>"US – United States</u>
	was filed on	and was g	iven Application No
		by the following Offic	ce " <u>US – United States</u>
	Patent and Traden	nark Office";	
desirous of a right of prior patents deriv	acquiring, the enting ity, in the INVENTION red therefrom, such ted States, its t	re and exclusive rights, ti ON and the APPLICATION h as continuing applicatio	GNEE"), is entitled to, and is tle and interest, including the (and all other applications and ins, in whole or in part, in and ign countries ("APPLICATION
ASSIG	NOR hereby	authorizes, and req	uests, ASSIGNEE'S LEGAL
REPRESENTA [*]	TIVES to insert tl	ne Application No., filin	g date, and Office into the
following tab	le for any APPLICA	TION DERIVATIVES after th	ney are known;
Application N	lo.	Filing Date	Office

Client Docket No.: 404954-US-NP Attorney Docket No.: MS1-9249US

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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"));

Inventor's Signature	Date		
Ning WEI			
Printed Name in English	Printed Name in Native Language		
	(if other than English)		

Client Docket No.: 404954-US-NP Attorney Docket No.: MS1-9249US

I <u>Abhishek AGARWAL</u> ("ASSIGNOR") am the origin inventor of subject matter ("INVENTION") disclosed application entitled " <u>FAST_FAILOVER_FOR_GATEWAY</u> which:	and/or claimed in a patent INSTANCES" ("APPLICATION"),
will be filed. ASSIGNOR hereby aut ASSIGNEE'S legal representative, Microsol LLC., One Microsoft Way, Redmond (ASSIGNEE'S LEGAL REPRESENTATIVES), parentheses (filed on December 28, 2018 No. 16/235,025 by the following Office had a Patent and Trademark Office; this APPLIC filing date, and Office, when known;	horizes, and requests, ft Technology Licensing, d, Washington 98052 to insert here in and given Application fice <u>"US – United States</u>
was filed onby the following Off	
REPRESENTATIVES to insert the Application No., fili	iiGNEE"), is entitled to, and is title and interest, including the land all other applications and ons, in whole or in part, in and eign countries ("APPLICATION quests, ASSIGNEE'S LEGAL ng date, and Office into the
following table for any APPLICATION DERIVATIVES after	and the second s
Application No. Filing Date	Office

Client Docket No.: 404954-US-NP Attorney Docket No.: MS1-9249US

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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"));

Abhishely Aganoal	12/27/2018	
Inventor's Signature	Date	
Abhishek AGARWAL		
Printed Name in English	Printed Name in Native Language	seccessor
	(if other than English)	

Client Docket No.: 404954-US-NP Attorney Docket No.: MS1-9249US

I <u>Vikrant ARORA</u> ("ASSI	GNOR") am the original	inventor or an original join
inventor of subject matter ("INVENTION") disclosed	and/or claimed in a paten
application entitled "FAST FA	ILOVER FOR GATEWAY	INSTANCES " ("APPLICATION")
which:		
ASSIGNEE'S legal LLC., One Mic (ASSIGNEE'S LEC parentheses (filed No. <u>16/235,025</u> <u>Patent and Trader</u>	ASSIGNOR hereby auth representative, Microsoft rosoft Way, Redmond GAL REPRESENTATIVES), and December 28, 2018 by the following Offinark Office"; this APPLICA	Technology Licensing, Washington 98052 to insert here in and given Application ce <u>"US – United States</u>
	and was g	
	by the following Offi	ce " <u>US – United States</u>
Patent and Trader	nark Office";	
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 1 DERIVATIVES"));	ssors and assigns ("ASSI re and exclusive rights, to ON and the APPLICATION has continuing application territories, and all fore authorizes, and requestion has application has requesting the Application of the Application	itle and interest, including the (and all other applications and ons, in whole or in part, in and ign countries ("APPLICATION uests, ASSIGNEE'S LEGAL
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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

Vikrant ARORA

Printed Name in English

Printed Name in Native Language (if other than English)

PATENT REEL: 047867 FRAME: 0479

RECORDED: 12/28/2018