507666285 12/27/2022

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7713425

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNOR SERGUEI VASILYEVICH MARTCHENKO DOC DATE IS INCORRECT; AND UPDATED ASSIGNNEE ADDRESS previously recorded on Reel 060496 Frame 0913. Assignor(s) hereby confirms the ASSIGNOR SERGUEI VASILYEVICH MARTCHENKO DOC DATE SHOULD BE 04/14/2022; ASSIGNNEE ADDERSS SHOULD BE 5600 148TH AVENUE NE.

CONVEYING PARTY DATA

Name	Execution Date
ARIANE BELLE TSAI	04/19/2022
AIGERIM SHINTEMIROVA	04/18/2022
NICOLE ISIS CRANON	04/21/2022
ANNALILIA HORSTMANN CAVAZOS	07/12/2022
SERGUEI VASILYEVICH MARTCHENKO	04/14/2022
YUVA PRIYA ARUNKUMAR	04/06/2022
ANDREW KOVALENKO	04/05/2022

RECEIVING PARTY DATA

Name:	MICROSOFT TECHNOLOGY LICENSING, LLC
Street Address:	5600 148TH AVENUE NE
Internal Address:	REDWEST-C
City:	REDMOND
State/Country:	WASHINGTON
Postal Code:	98052

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17714514

CORRESPONDENCE DATA

Fax Number: (952)373-8920

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: 9524676088

Email: sgreenfield@khcip.com

Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

Address Line 2:PATENT GROUP DOCKETING DEPTAddress Line 4:REDMOND, WASHINGTON 98052

PATENT

507666285 REEL: 062266 FRAME: 0960

ATTORNEY DOCKET NUMBER:	411292-US-NP		
NAME OF SUBMITTER:	SUSAN GREENFIELD		
SIGNATURE:	/Susan Greenfield/		
DATE SIGNED: 12/27/2022			
Total Attachments: 17			
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PATENT REEL: 062266 FRAME: 0961

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7430003

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
ARIANE BELLE TSAI	04/19/2022
AIGERIM SHINTEMIROVA	04/18/2022
NICOLE ISIS CRANON	04/21/2022
ANNALILIA HORSTMANN CAVAZOS	07/12/2022
SERGUEI VASILYEVICH MARTCHENKO	06/14/2022
YUVA PRIYA ARUNKUMAR	04/06/2022
ANDREW KOVALENKO	04/05/2022

RECEIVING PARTY DATA

Name:	MICROSOFT TECHNOLOGY LICENSING, LLC
Street Address: ONE MICROSOFT WAY, PATENT GROUP DOCKETING DEPT	
Internal Address:	REDWEST-C
City:	REDMOND
State/Country:	WASHINGTON
Postal Code:	98052

PROPERTY NUMBERS Total: 1

Property Type	Number
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CORRESPONDENCE DATA

Fax Number:

(952)373-8920

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Phone:

9524676088

Email:

sgreenfield@khcip.com

Correspondent Name:

MICROSOFT CORPORATION

Address Line 1:

ONE MICROSOFT WAY

Address Line 2:

PATENT GROUP DOCKETING DEPT

Address Line 4:

REDMOND. WASHINGTON 98052

ATTORNEY DOCKET NUMBER: 411292-US-NP

NAME OF SUBMITTER: SUSAN GREENFIELD

SIGNATURE: /Susan Greenfield/

PATENT REEL: 062266 FRAME: 0962

MIG DUCKUL MU. TELDZOTU GTNI	MS.	Dacket	No.:	411292-US-NP
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I <u>Ariane Belle TSAI</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>DATA FLOW CONTROL IN DISTRIBUTED COMPUTING SYSTEMS</u>" ("APPLICATION"), which:

\boxtimes	will be	filed.	ASSIGNOR	hereby	authoriz	es, and	requests
	ASSIGNE	E'S legal	representat	ive, Mici	osoft Te	chnology	Licensing
	LLC., One	e Micros	oft Way, Red	mond, W	ashingtor	98052 (ASSIGNEE'
	LEGAL R	EPRESEN	ITATIVES), t	o insert	here in	parenth	eses (file
	on		and gi	ven Appl	ication No),	b
	the follow	wing Off	ce <u>US – Unit</u>	ed States	Patent ar	id Traden	nark Office
	this APPI	LICATIO	V's Applicati	ion No.,	filing dat	e, and O	ffice, whe
	known;						
	was filed	on		and was	given Apı	olication	
	No		by the	following	Office		
	11			**			

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.	
AAAAA MAA			

	411292-1	

dointh	4/14/2022
Inventor's Signature	Date
Ariane Belie TSAI	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

MS Docket No.: 411292-US-NP

I <u>Aigerim SHINTEMIROVA</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>DATA FLOW CONTROL IN DISTRIBUTED COMPUTING SYSTEMS</u>" ("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 and given Application No by
the following Office <u>US - United States Patent and Trademark Office</u>
this APPLICATION's Application No., filing date, and Office, when
known;
was filed on and was given Application
Noby the following Office
8

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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	Alder	41/8/2032	
į	Inventor's Signature	Date	
	·		
	Algerim SHINTEMIROVA		
Ì	Printed Name in English	Printed Name in Native Language	
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MS Docket No.: 411292-US-NP

| <u>Nicole Isis CRANON</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>DATA_FLOW_CONTROL_IN_DISTRIBUTED_COMPUTING_SYSTEMS</u>" ("APPLICATION"), which:

\boxtimes	will be filed. ASSIGN	OR hereby authorizes, and requests,
		ntative, Microsoft Technology Licensing,
	LLC., One Microsoft Way, I	Redmond, Washington 98052 (ASSIGNEE'S
	LEGAL REPRESENTATIVES	, to insert here in parentheses (filed
	onand	d given Application Noby
	the following Office <u>US U</u>	inited States Patent and Trademark Office)
	this APPLICATION's Appli	cation No., filing date, and Office, when
	known;	
	was filed on	and was given Application
	Noby t	
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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	

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Marin	4/21/2022
Inventor's Signature	Date
Nicole Isis CRANON	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 411292:US-NP

I <u>Annalilia HORSTMANN CAVAZOS</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>DATA FLOW CONTROL IN DISTRIBUTED COMPUTING SYSTEMS</u>" ("APPLICATION"), which:

\boxtimes	will	be	filed.	ASSIGNOR	hereby	autho	rizes,	and	requ	ests,
	ASSIC	SNEÈ	'S legal	representa	tive, Mici	rosoft	Techno	ology	Licen	sing,
	LLC.,	One	Micros	oft Way, Red	mond, W	äshing	ton 98	052 (A	SSIGN	NEE'S
	LEGA	l. Ri	EPRESEN	ITATIVES), t	o insert	here	in pa	renthe	ses	(filed
	on			and gi	ven Appl	ication	No			bу
		APPL	-	ce <u>US – Unit</u> N's Applicat						
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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
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MS Docket No.:	411292-US-NP
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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).

7/12/2022
Inventor's Signature Date

Annalilia HORSTMANN CAVAZOS

Printed Name in English Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

MS Docket No.: 411292-US-NP

I <u>Serguel Vasilyevich MARTCHENKO</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>DATA_FLOW_CONTROL_IN_DISTRIBUTED_COMPUTING_SYSTEMS</u>" ("APPLICATION"), which:

Z	will be	filed.	ASSIGNOR	hereby	author	zes,	and req	uests,
	ASSIGN	EE'S lega	l representat	dve, Mici	rosoft T	echnol	ogy Lice	nsing,
	LLC., Q	ne Micros	oft Way, Red	mond, W	ashingto	n 980:	52 (ASSIC	INEE'S
	LEGAL	REPRESEN	VTATIVES), t	o insert	here i	n pare	entheses	(filed
	on		and gi	ven Appl	ication N	lo.		by
		PLICATIO	ice <u>US - Unit</u> N's Applicat					
	was file	ed on		and was	given A	oplicat	ion	
	No		by the	fallowing	Office			
	11			»,				

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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Page 1 of 2

MS Docker No.: 411292-US-NP

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

Serguel Vasilyevich MARTCHENKO

Printed Name in English

Printed Name in Native Language

(if other than English)

PATENT ASSIGNMENT

MS Docket No.: 41/292-US-NP

I Yuva Priya ARUNKUMAR ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DATA FLOW CONTROL IN DISTRIBUTED COMPUTING SYSTEMS" ("APPLICATION"), which:

X	will be filed. ASSIGNOR hereby authorizes, and reques	śξū,
	ASSIGNEE'S legal representative, Microsoft Technology Licensia	nig,
	LLC., One Microsoft Way, Redmond, Washington 98052 (ASSIGNE	Ę'5
	LECAL REPRESENTATIVES), to insert here in parentheses (fi	led
	on and given Application No	ьу
	the following Office <u>US - United States Patent and Trademark Offi</u>	ce)
	this APPLICATION's Application No., filing date, and Office, wi	ten
	known;	
["]	was filed on and was given Application	
	No by the following Office	
	N	

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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and the second second	4.4.12 ×
nventor's Signature	Oate
Yuva Priya ARUNKUMAR	<u>\</u>
Printed Name in English	Printed Name in Native Language
	(if other than English)

I Andrew KOYALENKO ("ASSIGNOR") am the original inventor or an disginal joint inventor of subject matter ("INVENTION") disclosed and or claimed in a patent application entitled "DATA FLOW CONTROL IN DISTRIBUTED COMPUTING SYSTEMS" ("APPLICATION"), which:

LEGAL REPRESENTATIVES), to insert here in parentheses (filed onand given Application Noby
the following Office <u>US - United States Patent and Trademark Office</u> this APPLICATION's Application No., filing date, and Office, when known:
was filed on and was given Application No by the following Office "

Microsoft Technology Licensing, ELC, a Washington limited liability company, on hehalf 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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- MS Docket No. - 411292-08-MP

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 impation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

Inventor's Signature

No. 1 No. 1 No. 1

Andrew-KOVALENKO

Printed Name in English

Printed Name in Narive Language

(if other than English)

Page 2 of 2