505779900 11/18/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5826726

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
POULAMI DAS	11/12/2019
NICOLAS GUILLAUME DELFOSSE	11/12/2019
CHRISTOPHER ANAND PATTISON	11/13/2019
SRILATHA MANNE	11/12/2019
DOUGLAS CARMEAN	11/18/2019
KRYSTA MARIE SVORE	11/15/2019
HELMUT GOTTFRIED KATZGRABER	11/13/2019

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:	16687517

CORRESPONDENCE DATA

Fax Number: (425)936-7329

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: 425-538-9035

Email: ECDocket@microsoft.com
Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	407217-US-NP
NAME OF SUBMITTER:	VLADIMIR A. KOZYREV
SIGNATURE:	/VLADIMIR A. KOZYREV/
DATE SIGNED:	11/18/2019

PATENT REEL: 051043 FRAME: 0085

505779900

Total Attachments: 14 source=2019-11-18 Executed Assignments 407217-US-NP#page1.tif source=2019-11-18 Executed Assignments 407217-US-NP#page2.tif source=2019-11-18 Executed Assignments 407217-US-NP#page3.tif source=2019-11-18 Executed Assignments 407217-US-NP#page4.tif source=2019-11-18 Executed Assignments 407217-US-NP#page5.tif source=2019-11-18 Executed Assignments 407217-US-NP#page6.tif source=2019-11-18 Executed Assignments 407217-US-NP#page7.tif source=2019-11-18 Executed Assignments 407217-US-NP#page8.tif source=2019-11-18 Executed Assignments 407217-US-NP#page9.tif source=2019-11-18 Executed Assignments 407217-US-NP#page10.tif source=2019-11-18 Executed Assignments 407217-US-NP#page11.tif source=2019-11-18 Executed Assignments 407217-US-NP#page12.tif source=2019-11-18 Executed Assignments 407217-US-NP#page13.tif source=2019-11-18 Executed Assignments 407217-US-NP#page13.tif source=2019-11-18 Executed Assignments 407217-US-NP#page13.tif

PATENT REEL: 051043 FRAME: 0086

I <u>Poulami DAS</u> ("ASSIGNOR of subject matter ("INVENTION" entitled "SYNDROME DATA CO" ("APPLICATION"), which:	") disclosed and/or clair	
ASSIGNEE'S legal r LLC, One Microsoft LEGAL REPRESENTA November 18, 2019 the following Office	ASSIGNOR hereby authorepresentative, Microsoft Way, Redmond, Washing TIVES), to insert here in page and given Application Negotian No., filing da	Technology Licensing, ton 98052 (ASSIGNEE'S parentheses (filed on lo. 16/687,517 by this
was filed on by the following O	and was given /	Application No
behalf of itself and its success desirous of acquiring, the entire right of priority, in the INVENTIGATION patents derived therefrom, such for the United States, its to DERIVATIVES"));	sors and assigns ("ASSIC e and exclusive rights, tit ON and the APPLICATION (h as continuing application erritories, and all forei	tle and interest, including the (and all other applications and ns, in whole or in part, in and gn countries ("APPLICATION
ASSIGNOR hereby REPRESENTATIVES to insert the following table for any APPLICA	ne Application No., filing	
Application No.	Filing Date	Office
Application 110.		
		,

MS Docket No.: 407217-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"));

Poulami Das	11/12/2019
Inventor's Signature	Date
Poulami DAS	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT MS Docket No.: 407217-US-NP

1111211111001011111211	1115 2001101	1.0 <u></u>
		the original inventor or a
original joint inventor of subje	ct matter ("INVENTION") o	disclosed and/or claimed in a
patent application entitled	"SYNDROME DATA CO	MPRESSION FOR QUANTUM
COMPUTING DEVICES" ("APPLICA	ATION"), which:	
X will be filed	ASSIGNOR hereby auth	orizes and requests
	representative, Microsoft	
	ft Way, Redmond, Washing	· · · · · · · · · · · · · · · · · · ·
	ATIVES), to insert here in p	
November 18, 201	$\underline{9}$ and given Application N	lo. 16/687,517 by
the following Offi	ce) this
APPLICATION'S A	pplication No., filing da	ate, and Office, when
known;		
us filed on	and was given	Annlication No
	and was given .	
by the following C	Office "	
- •		n limited liability company, o
behalf of itself and its succes	ssors and assigns ("ASSIO	GNEE"), is entitled to, and i
desirous of acquiring, the enti-	re and exclusive rights, ti	tle and interest, including th
right of priority, in the INVENTI	ON and the APPLICATION (and all other applications and
patents derived therefrom, suc		
for the United States, its t	.	· ·
	ettitones, and an ioici	gii countries (Arreicario
DERIVATIVES"));		
•	authorizes, and requ	
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following table for any APPLICA	TION DERIVATIVES after th	iey are known;
Application No.	Filing Date	Office

Page 1 of 2

Inventor's Signature	November 12th 2019 Date
Nicolas Guillaume DELFOSSE Printed Name in English	Printed Name in Native Language
rinited name in English	(if other than English)

subject matter (DATA COMPR	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	***************************************	ING DEVICES" ("APPLICATION"), which: eby authorizes, and requests, ASSIGNEE'S	
	legal represent Redmond, Was insert here in p	ative, Microsoft Techno shington 98052 (ASSIG arentheses (filed on NC and given App	logy Licensing, LLC, One Microsoft Way, NEE'S LEGAL REPRESENTATIVES), to ovember 18, 2019 lication No.16/687,517 by the	
	following Offic	ce o., filing date, and Office		
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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).

PATENT REEL: 051043 FRAME: 0091 Inventor's Signature

Christopher Anand PATTISON

Printed Name in English

Printed Name in Native

Language

(if other than English)

PATENT

REEL: 051043 FRAME: 0092

MS Docket No.: <u>407217-US-NP</u>

inventor of subject matter application entitled "SYNDRO DEVICES" ("APPLICATION"), whi will be filed. ASSIGNEE'S legal LLC, One Microso LEGAL REPRESENT November 18, 20 the following Off.	("INVENTION") disclosed ME DATA COMPRESSION ch: ASSIGNOR hereby authorepresentative, Microsoft oft Way, Redmond, Washing TATIVES), to insert here in 19 and given Application lice	FOR QUANTUM COMPUTING norizes, and requests, t Technology Licensing, gton 98052 (ASSIGNEE'S parentheses (filed on No. 16/687,517 by } this
APPLICATION's A known;	Application No., filing d	ate, and Office, when
was filed on by the following (and was given Office "	Application No
Microsoft Technology Libehalf of itself and its successification of acquiring, the entiright of priority, in the INVENT patents derived therefrom, sucfor the United States, its DERIVATIVES"));	essors and assigns ("ASSI ire and exclusive rights, to ION and the APPLICATION th as continuing application	itle and interest, including the (and all other applications and ons, in whole or in part, in and
ASSIGNOR hereby REPRESENTATIVES to insert t	•	uests, ASSIGNEE'S LEGAL g date, and Office into the
following table for any APPLICA	ATION DERIVATIVES after th	ney are known;
Application No.	Filing Date	Office

MS Docket No.: 407217-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"));

1.14-2	11-12-19
∕mventor's Signature	Date
Srilatha MANNE	
Printed Name in English	Printed Name in Native Language
	(if other than English)

NOR") am	the origin	al invent	or or an	orig	gin	al joint
ENTION")	disclosed	and/or	claimed	in	a	patent

MS Docket No.: 407217-US-NP

I <u>Douglas CARMEAN</u> ("ASSIGNOR") am the original inventor or an original joint
inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent
application entitled "SYNDROME DATA COMPRESSION FOR QUANTUM COMPUTING
DEVICES" ("APPLICATION"), which:
oxtimes 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 November 18, 2019 and given Application No. 16/687,517 by
the following Office) 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, 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

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).

Douglas CARMEAN

Printed Name in English

Printed Name in Native Language
(if other than English)

MS Docket No.: <u>407217-US-NP</u>

		· · · · · · · · · · · · · · · · · · ·
I <u>Krysta Marie SVORE</u> ("A	SSIGNOR") am the origina	al inventor or an original joint
inventor of subject matter ('	"INVENTION") disclosed	and/or claimed in a patent
application entitled "SYNDROM	ME DATA COMPRESSION	FOR QUANTUM COMPUTING
DEVICES" ("APPLICATION"), which	h:	
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	representative, Microsoft	
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for the United States, its t	erritories, and all forei	ign countries ("APPLICATION
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REPRESENTATIVES to insert the		
following table for any APPLICA		· · · · · · · · · · · · · · · · · · ·
Application No.	Filing Date	Office

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

Krysta Marie SVORE

Printed Name in English

Date,

Printed Name in Native Language (if other than English)

1VIS DUCKET INU., 40/21/-US-INF	N	4S	Docket No.:	407217-US-NP
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original joint inventor of subje	ect matter ("INVENTION") ("SYNDROME DATA CO	n the original inventor or and disclosed and for claimed in an and MPRESSION FOR QUANTUM
ASSIGNEE'S legal LLC, One Microso LEGAL REPRESENT November 18, 20 the following Offi	ASSIGNOR hereby auth representative, Microsoft ft Way, Redmond, Washing ATIVES), to insert here in placed and given Application No., filing date	Technology Licensing, gton 98052 (ASSIGNEE'S parentheses (filed on No. 16/687,517 by
	and was given	
Microsoft Technology Li 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 DERIVATIVES"));	ssors and assigns ("ASSIO re and exclusive rights, ti ON and the APPLICATION th as continuing applicatio	tle and interest, including the (and all other applications and ons, in whole or in part, in and
ASSIGNOR hereby REPRESENTATIVES to insert t following table for any APPLICA	he Application No., filin	
Application No.	Filing Date	Office

IMM	
	November 13, 2019
Inventor's Signature	Date
Helmut Gottfried KATZGRABER	
Printed Name in English	Printed Name in Native Language
	(if other than English)