#### 505945152 03/02/2020

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5991872

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MIGUEL CASTRO	05/21/2018
DUSHYANTH NARAYANAN	12/20/2018
ALEKSANDAR DRAGOJEVIC	05/21/2018
MATTHEW RENZELMANN	05/20/2018
ALEXANDER SHAMIS	01/04/2019
RICHENDRA KHANNA	05/01/2018
STANKO NOVAKOVIC	05/21/2018
ANDERS GJERDRUM	11/02/2018
GEORGIOOS CHATZOPOULOS	04/23/2018

## **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:	16806808

## **CORRESPONDENCE DATA**

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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.

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BARTA, JONES & FOLEY, P.C. (PATENT GROUP **Correspondent Name:** 

3308 PRESTON ROAD Address Line 1:

Address Line 2: #350-161

Address Line 4: PLANO, TEXAS 75093

ATTORNEY DOCKET NUMBER:	403980-US-CNT
NAME OF SUBMITTER:	NOEMI TOVAR

PAIENI REEL: 051983 FRAME: 0743 505945152

SIGNATURE:	/Noemi Tovar/
DATE SIGNED:	03/02/2020

#### **Total Attachments: 18**

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> PATENT REEL: 051983 FRAME: 0744

MS Docket No.:403980-US-NP

I <u>Miguel CASTRO</u> ("AS inventor of subject matter (application entitled " <u>CLOCK SY</u> )	"INVENTION") disclosed	•
LLC., One Microso LEGAL REPRESEN on the following (	ASSIGNOR hereby authorepresentative, Microsoft of Way, Redmond, Washing TATIVES), to insert here and given Application office and given Application of the polication o	Technology Licensing, gton 98052 (ASSIGNEE'S in parentheses (filed by Longon by Licensing) this
	h 22, 2018 and was given e following Office " <u>United</u> ';	
Microsoft Technology Lie behalf of itself and its successor of acquiring, the entire and ex priority, in the INVENTION and derived therefrom, such as cor United States, its territories, an	rs and assigns ("ASSIGNEE" (clusive rights, title and in the APPLICATION (and all o ntinuing applications, in w	nterest, including the right of other applications and patents hole or in part, in and for the
•	•	NEE'S LEGAL REPRESENTATIVES
to insert the Application No., APPLICATION DERIVATIVES afte		o the following table for any
Application No.	Filing Date	Office

Mighel Cons	21/5/2018
Inventor 🛭 Signature	Date
Miguel CASTRO	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.:403980-US-NP

I <u>Dushyanth NARAYANAN</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>CLOCK SYNCHRONIZATION</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 ) this APPLICATION's Application No., filing date, and Office, when known;		
was filed on March 22, 2018 and was given Application No 15/933,214 by the following Office "United States Patent and Trademark Office";		
Microsoft Technology Lice behalf of itself and its successors of acquiring, the entire and exc priority, in the INVENTION and the derived therefrom, such as cont United States, its territories, and	s and assigns ("ASSIGNEE"), clusive rights, title and in he APPLICATION (and all o cinuing applications, in wh	terest, including the right of ther applications and patents nole or in part, in and for the
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APPLICATION DERIVATIVES after Application No.	Filing Date	Office
Application No.	Timing Date	Office

Inventor's Signature	20 Dec 2018 Date
Dushyanth NARAYANAN	
Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No.:403980-US-NP

I <u>Aleksandar DRAGOJE</u> joint inventor of subject matte application entitled " <u>CLOCK SYN</u>	er ("INVENTION") disclosed	•
ASSIGNEE'S legal LLC., One Microso LEGAL REPRESENT on the following C	ASSIGNOR hereby authorepresentative, Microsoft ft Way, Redmond, Washing FATIVES), to insert here and given Application office plication No., filing date, a	Technology Licensing, ston 98052 (ASSIGNEE'S in parentheses (filed Noby
was filed on March 22, 2018 and was given Application No 15/933,214 by the following Office "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"));  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

人。 Inventor's Sighature	2187 MAS 2048 Date
Aleksandar DRAGOJEVIC	ALEKSANDAR BRAGOJEVIĆ
Printed Name in English	Printed Name in Native Language (if other than English)

application entitled "CLOC		sclosed and/or claimed in a pate APPLICATION"), which:	eni
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			(if other t	han English).		

MS Docket No.:403980-US-NP

I Alexander SHAMIS ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CLOCK SYNCHRONIZATION" ("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 APPLICATION's Application No., filing date, and Office, when known: was filed on March 22, 2018 and was given Application No. 15/933,214 by the following Office "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"));

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.:403980-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-

Date

Alexander SHAMIS

Printed Name in English

Printed Name in Native Language

(if other than English)

MS Docket No.:403980-US-NP

	LC., One Microso LEGAL REPRESEN on the following (	representative, Micoft Way, Redmond, W TATIVES), to insert and given Appl	authorizes, and requests, crosoft Technology Licensing, Vashington 98052 (ASSIGNEE'S there in parentheses (filed lication Noby	
$\boxtimes$			) this date, and Office, when known;	
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MS Docket No.:403980-US-NP

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Allan	5/1/18
Inventor's Signature	Date
Richendra KHANNA	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.:403980-US-NP

I <u>Stanko NOVAKOVIC</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>CLOCK SYNCHRONIZATION</u>" ("APPLICATION"), which:

	will b	e file	ed.	ASSIGNOR	hereby	autho	rizes,	and	requests,
				representa					
	LLC., C	ne M	icrosc	oft Way, Red	mond, W	/ashingt	on 98	052 (4	SSIGNEE'S
	LEGAL	REPF	RESEN	TATIVES),	to insert	here	in pa	renthe	ses (filed
	on			and gi	ven App	lication	No.	**********	by
	the fol	lowin	g Offi	ce		***************************************			) this
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was filed on March 22, 2018 and was given Application No 15/933,214 by the following Office "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"));

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Application No.	Filing Date	Office
		:

721 A 1			
Jan Warney	21 May 2018		
Inventor's Signature	Date		
Stanko NOVAKOVIC			
Printed Name in English	Printed Name in Native Language		
	(if other than English)		

inventor of	nders GJERDRUM ("ASSIGNOR") am the original inventor or as subject matter ("INVENTION") disclosed and/or claimed entitled "CLOCK SYNCHRONIZATION" ("APPLICATION"), which:	in a patent
	will be filed. ASSIGNOR hereby authorizes, and re ASSIGNEE'S legal representative, Microsoft Technology Lic LLC., One Microsoft Way, Redmond, Washington 98052 (ASS LEGAL REPRESENTATIVES), to insert here in parenthese onand given Application No	ensing, IGNEE'S s (filed
	the following Office	
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Micro	soft Technology Licensing, LLC, a Washington limited flability	company, on
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derived ther	efrom, such as continuing applications, in whole or in part,	in and for the
United States	s, its territories, and all foreign countries CAPPLICATION DERI	VATIVES")).
ASSIG	NOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REP	RESENTATIVES

Application No. Filing Date 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).

Inventor's Signature

Date

Anders GJERDRUM

Printed Name in English

Printed Name in Native Language

(if other than English)

I <u>Georgios CHATZOPOULOS</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>CLOCK SYNCHRONIZATION</u>" ("APPLICATION"), which:

	will be filed	. ASSIGNOI	R hereby	authorize	s, and re	equests
	ASSIGNEE'S le	gal represent	ative, Mic	rosoft Tech	inology Lic	ensing
	LLC., One Micr	osoft Way, Re	dmond, W	ashington 9	)8052 (ASS	IGNEE'S
	LEGAL REPRES	SENTATIVES),	to insert	here in p	parenthese	s (filed
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	APPLICATION'	s Application f	۷o., filing ا	date, and O	ffice, when	known
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was filed on March 22, 2018 and was given Application No 15/933,214 by the following Office "United States Patent and Trademark Office":

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<u> 23.04.9</u>

Inventor's Signature Da

Georgios CHATZOPOULOS ΓΕΩΡΓΙΟΣ ΧΑΤΖΟΓΙΟΥΛΟΣ

Printed Name in English Printed Name in Native Language

(if other than English)