PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5429256

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MAR GONZALEZ FRANCO	03/18/2019
EYAL OFEK	03/13/2019
MICHAEL J. SINCLAIR	03/14/2019
CHRISTIAN HOLZ	03/05/2019
JAEYEON LEE	03/06/2019

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:	16289327

CORRESPONDENCE DATA

Fax Number: (509)252-5002

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: usdocket@microsoft.com

Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	405921-US-NP
NAME OF SUBMITTER:	ALEX LEA
SIGNATURE:	/alex lea/
DATE SIGNED:	03/19/2019

Total Attachments: 10

source=405921-US-NP_Assignment_Franco#page1.tif

PATENT REEL: 048637 FRAME: 0651

505382463

source=405921-US-NP_Assignment_Franco#page2.tif
source=405921-US-NP_Assignment_OFEK#page1.tif
source=405921-US-NP_Assignment_OFEK#page2.tif
source=405921-US-NP_Assignment_Sinclair-v2#page1.tif
source=405921-US-NP_Assignment_Sinclair-v2#page2.tif
source=405921-US-NP_Assignment_HOLZ#page1.tif
source=405921-US-NP_Assignment_HOLZ#page2.tif
source=405921-US-NP_Assignment_LEE#page1.tif
source=405921-US-NP_Assignment_LEE#page1.tif

PATENT REEL: 048637 FRAME: 0652

			authorizes, and requests, osoft Technology Licensing,
	LLC., One Micro	osoft Way, Redmond, Wa	ashington 98052 (ASSIGNEE'S
	LEGAL REPRESE	ENTATIVES), to insert	here in parentheses (filed
			cation No by
) this
	APPLICATION'S	Application No., filing d	late, and Office, when known;
\boxtimes	was filed on <u>Fel</u>	<u>bruary 28, 2019</u> and wa	s given Application No
	16/289,327 by	the following Office "U	<u>SPTO</u> ";
Micro:	soft Technology	Licensing, LLC, a Wash	ington limited liability company,
behalf of itse	If and its succes	sors and assigns ("ASSIC	GNEE"), is entitled to, and is desire
of acquiring.	. the entire and	exclusive rights, title	and interest, including the right
			d all other applications and pate
7	afrom such as c	continuing applications	in whole or in part in and for
derived there		<u> </u>	, in whole or in part, in and for
derived there		<u> </u>	, in whole or in part, in and for is ("APPLICATION DERIVATIVES"));
derived there United States	s, its territories,	and all foreign countrie	s ("APPLICATION DERIVATIVES"));
derived there United States ASSIG	s, its territories, NOR hereby auth	and all foreign countrie	s ("APPLICATION DERIVATIVES")); ASSIGNEE'S LEGAL REPRESENTATIV
derived there United States ASSIG to insert the	s, its territories, NOR hereby auth Application No	and all foreign countries horizes, and requests, Ab., filing date, and Office	s ("APPLICATION DERIVATIVES"));
derived there United States ASSIG to insert the APPLICATION	s, its territories, NOR hereby auth Application No N DERIVATIVES at	and all foreign countrienthorizes, and requests, App., filing date, and Officier they are known;	s ("APPLICATION DERIVATIVES")); ASSIGNEE'S LEGAL REPRESENTATIVE Ce into the following table for a
derived there United States ASSIG to insert the APPLICATION	s, its territories, NOR hereby auth Application No	and all foreign countrienthorizes, and requests, App., filing date, and Officier they are known;	s ("APPLICATION DERIVATIVES")); ASSIGNEE'S LEGAL REPRESENTATIV
derived there United States ASSIG to insert the APPLICATION	s, its territories, NOR hereby auth Application No N DERIVATIVES at	and all foreign countrienthorizes, and requests, App., filing date, and Officier they are known;	s ("APPLICATION DERIVATIVES")); ASSIGNEE'S LEGAL REPRESENTATIVE ce into the following table for a
derived there United States ASSIG to insert the APPLICATION	s, its territories, NOR hereby auth Application No N DERIVATIVES at	and all foreign countrienthorizes, and requests, App., filing date, and Officier they are known;	s ("APPLICATION DERIVATIVES")); ASSIGNEE'S LEGAL REPRESENTATIVE ce into the following table for a
derived there United States ASSIG to insert the APPLICATION	s, its territories, NOR hereby auth Application No N DERIVATIVES at	and all foreign countrienthorizes, and requests, App., filing date, and Officier they are known;	s ("APPLICATION DERIVATIVES")); ASSIGNEE'S LEGAL REPRESENTATIVE ce into the following table for a
derived there United States ASSIG to insert the APPLICATION	s, its territories, NOR hereby auth Application No N DERIVATIVES at	and all foreign countrienthorizes, and requests, App., filing date, and Officier they are known;	s ("APPLICATION DERIVATIVES")); ASSIGNEE'S LEGAL REPRESENTATIVE ce into the following table for a
derived there United States ASSIG to insert the APPLICATION	s, its territories, NOR hereby auth Application No N DERIVATIVES at	and all foreign countrienthorizes, and requests, App., filing date, and Officier they are known;	s ("APPLICATION DERIVATIVES")); ASSIGNEE'S LEGAL REPRESENTATIVE ce into the following table for a
derived there United States ASSIG to insert the APPLICATION	s, its territories, NOR hereby auth Application No N DERIVATIVES at	and all foreign countrienthorizes, and requests, App., filing date, and Officier they are known;	s ("APPLICATION DERIVATIVES")); ASSIGNEE'S LEGAL REPRESENTATIVE ce into the following table for a
derived there United States ASSIG to insert the APPLICATION	s, its territories, NOR hereby auth Application No N DERIVATIVES at	and all foreign countrienthorizes, and requests, App., filing date, and Officier they are known;	s ("APPLICATION DERIVATIVES")); ASSIGNEE'S LEGAL REPRESENTATIVE ce into the following table for a
derived there United States ASSIG to insert the APPLICATION	s, its territories, NOR hereby auth Application No N DERIVATIVES at	and all foreign countrienthorizes, and requests, App., filing date, and Officier they are known;	s ("APPLICATION DERIVATIVES")); ASSIGNEE'S LEGAL REPRESENTATIVE ce into the following table for a

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"));

-45	03/18/19	
Inventor's Signature	Date	
Mar GONZALEZ FRANCO		
Printed Name in English	Printed Name in Native Language	
	(if other than English)	

I <u>Eyal OFEK</u> ("ASSIGNOR") am the original inventor or an original joint inventor o
subject matter ("INVENTION") disclosed and/or claimed in a patent application entitle
"VIRTUAL REALITY CONTROLLER" ("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;
\boxtimes	was filed on February 28, 2019 and was given Application No
	16/289,327 by the following Office "USPTO";

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'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"));

. Save	3/13/19
Inventor's Signature	Date
Eyal OFEK	אייל אופק
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Michael J. SINCLAIR</u> ("AS inventor of subject matter ("lapplication entitled" <u>VIRTUAL RE</u>	NVENTION") disclosed a	•
ASSIGNEE'S legal r LLC., One Microsof LEGAL REPRESENT on the following Of	ASSIGNOR hereby authorepresentative, Microsoft to Way, Redmond, Washings ATIVES), to insert here and given Application office and filing date, and given to the collication of the	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed Noby) this
	ary 28, 2019 and was give following Office " <u>USPTO</u> ";	• •
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 inuing applications, in wh	terest, including the right of ther applications and patents role or in part, in and for the
ASSIGNOR hereby authori to insert the Application No., f APPLICATION DERIVATIVES after	iling date, and Office into	EE'S LEGAL REPRESENTATIVES the following table for any
Application No.	Filing Date	Office
	-	

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

Michael J. SINCLAIR

Printed Name in English

Printed Name in Native Language

(if other than English)

I <u>Christian HOLZ</u> ("ASSIC inventor of subject matter (" application entitled " <u>VIRTUAL RE</u>	INVENTION") disclosed a	•
ASSIGNEE'S legal of LLC., One Microsof LEGAL REPRESENT on the following O	ASSIGNOR hereby authorepresentative, Microsoft of Way, Redmond, Washings (ATIVES), to insert here and given Application of fice	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed Noby
	ary 28, 2019 and was give e following Office " <u>USPTO</u> ";	
Microsoft Technology Lic behalf of itself and its successor of acquiring, the entire and ex- priority, in the INVENTION and t derived therefrom, such as con- United States, its territories, and	s and assigns ("ASSIGNEE"), clusive rights, title and in he APPLICATION (and all o tinuing applications, in wh	terest, including the right of ther applications and patents role or in part, in and for the
	·	EE'S LEGAL REPRESENTATIVES
to insert the Application No., f	-	o the following table for any
APPLICATION DERIVATIVES after Application No.	Filing Date	Office
Application No.	Timing Date	Office

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	March 5, 2019 Date
Christian HOLZ	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Jaeyeon LEE</u> ("ASSIGNOR") am the original inventor or an original joint invent	or
of subject matter ("INVENTION") disclosed and f or claimed in a patent application entitles.	ed
"VIRTUAL REALITY CONTROLLER" ("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
\boxtimes	was filed on February 28, 2019 and was given Application No
	16/289,327 by the following Office "USPTO";

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'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"));

0(246त	2019, 3,6
Inventor's Signature	Date
Jaeyeon LEE	이재연
Printed Name in English	Printed Name in Native Language
	(if other than English)