504496676 08/09/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RAJESH MANOHAR DIGHDE	08/02/2017
KABIR SIDDIQUI	06/19/2017
MINHYUK CHOI	06/15/2017

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:	15627301

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: 4257079382

Email: USDocket@microsoft.com

Correspondent Name: ASSAL MEFTAHI

ONE MICROSOFT WAY Address Line 1:

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

ATTORNEY DOCKET NUMBER: 402012-US-NP

NAME OF SUBMITTER: VLADIMIR A. KOZYREV

SIGNATURE: /Vladimir A. Kozyrev/

DATE SIGNED: 08/09/2017

Total Attachments: 6

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PATENT REEL: 043248 FRAME: 0742

EPAS ID: PAT4543379

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PATENT REEL: 043248 FRAME: 0743

Application No.

PATENT ASSIGNMENT	MS Docket No.: <u>402012-US-NP</u>
	OR") am the original inventor or an original ON") disclosed and/or claimed in a patent LICATION"), which:
ASSIGNEE'S legal representati LLC, One Microsoft Way, Redm LEGAL REPRESENTATIVES), to i and given	hereby authorizes, and requests, ve, Microsoft Technology Licensing, and washington 98052 (ASSIGNEE'S assert here in parentheses (filed on Application No by
) this
	lo., filing date, and Office, when
known;	
\boxtimes was filed on June 19, 2017 and $15/627,301$ by the following (
Microsoft Technology Licensing, LLC behalf of itself and its successors and a desirous of acquiring, the entire and excluright of priority, in the INVENTION and the Apatents derived therefrom, such as continufor the United States, its territories, a DERIVATIVES"));	sive rights, title and interest, including the APPLICATION (and all other applications and ing applications, in whole or in part, in and
REPRESENTATIVES to insert the Applicati	and requests, ASSIGNEE'S LEGAL on No., filing date, and Office into the
following table for any APPLICATION DERIVA	TIVES after they are known;

Page 1 of 2

Filing Date

Office

MS Docket No.: 402012-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 Signature

Date

Rajesh Manohar DIGHDE

Printed Name in English

Printed Name in Native Language

(if other than English)

PATENT ASSIGNMENT

	MS	Docket No.:	402012-US-NP
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inventor of subject matter (application entitled "DISPLAY D will be filed. ASSIGNEE'S legal LLC, One Microso LEGAL REPRESENT June 19, 2017 the following Offi	"INVENTION") disclosed	hich: orizes, and requests, Technology Licensing, gton 98052 (ASSIGNEE'S parentheses (filed on No. 15/627,301 by) this
known;	application No., Illing us	ate, and Office, when
by the following C	ssors and assigns ("ASSIO re and exclusive rights, ti ON and the APPLICATION h as continuing applicatio	"; n limited liability company, or GNEE"), is entitled to, and is tle and interest, including the (and all other applications and ns, in whole or in part, in and
ASSIGNOR hereby	authorizes, and requ	uests, ASSIGNEE'S LEGAL
REPRESENTATIVES to insert the	he Application No., filin	g date, and Office into the
following table for any APPLICA		
Application No.	Filing Date	Office
	1	1

MS Docket No.: <u>402012-US-NP</u>

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).

K	6/19/2017
Inventor's Signature	Date
Kabir SIDDIQUI	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

MS Docket No	402012-03-NF

I <u>Minhyuk CHOI</u> ("ASSIC inventor of subject matter (•	inventor or an original joint and/or claimed in a patent
application entitled "DISPLAY D	EVICE" ("APPLICATION"), w	hich:
ASSIGNEE'S legal LLC, One Microso LEGAL REPRESENT June 19, 2017 the following Offi	ASSIGNOR hereby auth representative, Microsoft ft Way, Redmond, Washing ATIVES), to insert here in part and given Application Nation	Technology Licensing, gton 98052 (ASSIGNEE'S parentheses (filed on No. 15/627,301 by) this
	and was given . Office "	
Microsoft Technology Lie	censing, LLC, a Washingto	n limited liability company, on
behalf of itself and its succe	3, ,	
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	- .,	•
DERIVATIVES"));		
· · ·		
ASSIGNOR hereby	authorizes, and requ	uests, 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

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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Inventor's Signature

Minhyuk CHOI

Printed Name in English

Date

Printed Name in Native Language

(if other than English)