#### 505933475 02/25/2020

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5980193

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JINGJING FU	09/01/2017
YAO ZHAI	09/04/2017
YAN LU	09/04/2017

## **RECEIVING PARTY DATA**

Name:	MICROSOFT TECHNOLOGY LICENSING, LLC	
Street Address:	ONE MICROSOFT WAY	
City:	REDMOND	
State/Country:	WASHINGTON	
Postal Code:	98052-6399	

# **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16641609

## CORRESPONDENCE DATA

Fax Number: (612)332-9081

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: 6123325300

Email: crogers@merchantgould.com MERCHANT & GOULD P.C. **Correspondent Name:** 

Address Line 1: P.O. BOX 2903

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	14917.3732USWO
NAME OF SUBMITTER:	DAVID D. HARRELL
SIGNATURE:	/David D. Harrell/
DATE SIGNED:	02/25/2020

## **Total Attachments: 6**

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> **PATENT REEL: 051917 FRAME: 0260** 505933475

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> PATENT REEL: 051917 FRAME: 0261

PATENT ASSIGNMENT	MS Docket No.: 363339.01
I <u>lingjing FU(</u> "ASSIGNOR") am the original invesubject matter ("INVENTION") disclosed and/or claim 'OBJECT DETECTION BASED ON DEEP NE" ("APPLICATION"), which:	
will be filed. ASSIGNOR hereby ASSIGNEE'S legal representative, Micro LLC, One Microsoft Way, Redmond, Was LEGAL REPRESENTATIVES), to insert on and No by Office Application No., filing date, and Office,	osoft Technology Licensing, shington 98052 (ASSIGNEE'S here in parentheses (filed given Application the following this APPLICATION's
was filed on <u>August 25, 2017</u> and was <u>201710744908.7</u> by the following Offic <u>Office of the People's Republic of China (RO/CN)</u>	e "State Intellectual Property

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;

Filing Date	Office
2020-02-24	US Patent and Trademark Offic
	2020-02-24

Page 1 of 2

		MS Docke	t No.: 363339.01

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).

Mi Fr	2017,09.01	
Inventor's Signature	Date	
Jingjing FU	伏晶晶	
Printed Name in English	Printed Name in Native Language (if other than English)	

# PATENT ASSIGNMENT

	PATENT A	ASSIGNMENT	MS Docket No.: <u>363339.01</u>
l Yao	ZHAI("ASSIGNOR")	am the original inventor	or an original joint inventor of
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	•		
	will be filed.	ASSIGNOR hereby autl	norizes, and requests,
	ASSIGNEE'S legal	representative, Microsof	t Technology Licensing,
	LLC, One Microsof	t Way, Redmond, Washin	gton 98052 (ASSIGNEE'S
	LEGAL REPRESENT	TATIVES), to insert here	e in parentheses (filed
	on	and	given Application
	No	by	the following
	Office	•	) this APPLICATION's
	Application No., fi	ling date, and Office, who	en known;
$\boxtimes$	was filed on <u>Augu</u>	<u>st 25, 2017</u> and was give	n Application No
	201710744908.7	by the following Office " <u>St</u>	tate Intellectual Property
	Office of the Peop	le's Republic of China	
	(RO/CN)	ж,	
Micros	oft Technology Lic	ensing, LLC, a Washingto	on limited liability company, on
behalf of its	elf and its succes	sors and assigns ("ASSI	IGNEE"), is entitled to, and is
desirous of a	acquiring, the entir	e and exclusive rights, t	itle and interest, including the
			(and all other applications and
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			ign countries ("APPLICATION
DERIVATIVES			(
	<i>7</i> /1		
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REPRESENTA:	TIVES to insert tl	ne Application No., filin	ng date, and Office into the
following tab	le for any APPLICA	TION DERIVATIVES after t	hey are known;
Application N		Filing Date	Office
16/641609		2020-02-24	US Patent and Trademark Office

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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).

Jao Thor	207/09/04
Inventor's Signature	Date
Yao ZHAI	程耀
Printed Name in English	Printed Name in Native Language
	(if other than English)

# PATENT ASSIGNMENT MS Docket No.: 363339.01 I Yan LU("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>OBJECT DETECTION BASED ON DEEP NEURAL</u> NETWORK ("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 August 25, 2017 and was given Application No 201710744908.7 by the following Office "State Intellectual Property Office of the People's Republic of China (RO/CN)

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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2020-02-24	US Patent and Trademark Office		
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PATENT ASSIGNMENT		MS Docket No.:	363339.01		
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Yarlu	2017/09/04		
Inventor's Signature	Date		
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Printed Name in English	Printed Name in Native Language (if other than English)		

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