# 505605764 08/05/2019

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5652565

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ZIAD AL BAWAB	08/04/2019
ANAND U DESAI	07/31/2019
SHUANGYU CHANG	07/31/2019
AMIT K. AGARWAL	08/03/2019
ZOLTAN ROMOCSA	07/31/2019
CHRISTOPHER H BASOGLU	07/31/2019
NATHAN E WOHLGEMUTH	07/31/2019

# **RECEIVING PARTY DATA**

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

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16531435

#### CORRESPONDENCE DATA

Fax Number:

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:	4258828080
Email:	USDocket@microsoft.com
Correspondent Name:	MICROSOFT TECHNOLOGY LICENSING, LLC
Address Line 1:	ONE MICROSOFT WAY
Address Line 4:	REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	406625-US-NP (M15.107)	
NAME OF SUBMITTER:	NANDU A. TALWALKAR	
SIGNATURE:	/NAT/	
DATE SIGNED:	08/05/2019	

Total Attachments: 14
source=406625-US-NP_M15107 - Assignment#page1.tif
source=406625-US-NP_M15107 - Assignment#page2.tif
source=406625-US-NP_M15107 - Assignment#page3.tif
source=406625-US-NP_M15107 - Assignment#page4.tif
source=406625-US-NP_M15107 - Assignment#page5.tif
source=406625-US-NP_M15107 - Assignment#page6.tif
source=406625-US-NP_M15107 - Assignment#page7.tif
source=406625-US-NP_M15107 - Assignment#page8.tif
source=406625-US-NP_M15107 - Assignment#page9.tif
source=406625-US-NP_M15107 - Assignment#page10.tif
source=406625-US-NP_M15107 - Assignment#page11.tif
source=406625-US-NP_M15107 - Assignment#page12.tif
source=406625-US-NP_M15107 - Assignment#page13.tif
source=406625-US-NP_M15107 - Assignment#page14.tif

I <u>Ziad AL BAWAB</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "**MEETING-ADAPTED LANGUAGE MODEL FOR SPEECH RECOGNITION**" ("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 August 5, 2019 and given Application No.<sup>16/531,435</sup> by the following Office US United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known;
- was filed on \_\_\_\_\_ and was given Application No \_\_\_\_ by the following Office "<u>US - United States Patent and Trademark Office</u>";

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"));

Application No.	Filing Date	Office
62/843,481	May 5, 2019	US

MS Docket No.: 406625-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).

Date

Inventor's Signature

Ziad AL BAWAB Printed Name in English

8/4/2019 ite J.J.J.S.F./

Printed Name in Native Language (if other than English)

I <u>Anand U DESAI</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "MEETING-ADAPTED LANGUAGE MODEL FOR SPEECH RECOGNITION" ("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 August 5, 2019 and given Application No.16/531,435 by the following Office US United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known;
- was filed on \_\_\_\_\_ and was given Application No \_\_\_\_ by the following Office "<u>US - United States Patent and Trademark Office</u>";

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"));

Application No.	Filing Date	Office
62/843,481	May 5, 2019	US

#### PATENT ASSIGNMENT MS Docket No.: 406625-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")):

Adocer >	07/31/2019
Inventor's Signature	Date
Anand U DESAI	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Shuangyu CHANG</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "MEETING-ADAPTED LANGUAGE MODEL FOR SPEECH RECOGNITION" ("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 <u>August 5, 2019</u> and given Application No.<sup>16/531,435</sup>by the following Office <u>US United States Patent and Trademark Office</u>) this APPLICATION's Application No., filing date, and Office, when known;
- was filed on \_\_\_\_\_ and was given Application No \_\_\_\_ by the following Office "<u>US - United States Patent and Trademark Office</u>";

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"));

Application No.	Filing Date	Office
62/843,481	May 5, 2019	US

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

Shuangyu CHANG Printed Name in English

7/3/20/9 Date 1 # 98 FM

Printed Name in Native Language (if other than English)

Page 2 of 2

I <u>Amit K. AGARWAL</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "MEETING-ADAPTED LANGUAGE MODEL FOR SPEECH RECOGNITION" ("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 August 5, 2019 and given Application No.<sup>16/531,435</sup> by the following Office <u>US United States Patent and Trademark Office</u>) this APPLICATION's Application No., filing date, and Office, when known;
- was filed on \_\_\_\_\_ and was given Application No \_\_\_\_ by the following Office "<u>US - United States Patent and Trademark Office</u>";

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
62/843,481	May 5, 2019	US
1811-1-1-1010-1-1010-1-1010-1-1010-1-1010-1-1010-1-1010-1-1010-1-1010-1-1010-1-1010-1-1010-1-1010-1-1010-1-1010		
	·	

Page 1 of 2

PATENT REEL: 049958 FRAME: 0583

# PATENT ASSIGNMENT MS Docket No.: <u>406625-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).

8/3/2019

Amit K. AGARWAL Printed Name in English अमिल कुमार आगरवाल Printed Name in Native Language (if other than English)

Page 2 of 2

PATENT REEL: 049958 FRAME: 0584

I <u>Zoltan ROMOCSA</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "MEETING-ADAPTED LANGUAGE MODEL FOR SPEECH RECOGNITION" ("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 August 5, 2019 and given Application No.16/531.435 by the following Office US United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known;
- was filed on \_\_\_\_\_ and was given Application No \_\_\_\_ by the following Office "<u>US - United States Patent and Trademark Office</u>";

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	
62/843,481	May 5, 2019	US	1949 <b>4-1</b> 7-124 <b>49-1</b> 2-1124

Page 1 of 2

# PATENT ASSIGNMENT MS Docket No.: <u>406625-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"));

Zollan Romorsa	7/31/19
Inventor's Signature	Date
Zoltan ROMOCSA	
Zoltan ROMOCSA Printed Name in English	Printed Name in Native Language

I <u>Christopher H BASOGLU</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "**MEETING-ADAPTED LANGUAGE MODEL FOR SPEECH RECOGNITION**" ("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 August 5, 2019 and given Application No.16/531,435by the following Office US – United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known;

was filed on \_\_\_\_\_ and was given Application No \_\_\_\_ by the following Office "<u>US - United States Patent and Trademark Office</u>";

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"));

Application No.	Filing Date	Office	
Application No. 62/843,481	Filing Date May 5, 2019	US	

## PATENT ASSIGNMENT MS Docket No.: <u>406625-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"));

Christian H Brees	7/31/2019
nventor's Signature	Date
Christopher H BASOGLU	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Nathan E WOHLGEMUTH</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "MEETING-ADAPTED LANGUAGE MODEL FOR SPEECH **RECOGNITION**" ("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 <u>August 5, 2019</u> and given Application No. <u>16/531,435</u> by the following Office <u>US – United States Patent and Trademark Office</u>) this APPLICATION'S Application No., filing date, and Office, when known;

↓ was filed on \_\_\_\_ and was given Application No \_\_\_ by the following Office "<u>US - United States Patent and Trademark Office</u>";

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	
62/843,481	May 5, 2019	US	

Page 1 of 2

PATENT REEL: 049958 FRAME: 0589

# PATENT ASSIGNMENT MS Docket No.: 406625-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"));

Nathan E Wohlgemette	July 31, 2019
Inventor's Signature	Date
Nathan E WOHLGEMUTH	
Printed Name in English	Printed Name in Native Language
	(if other than English)