

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5888254

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MARCELLO FEDERICO	12/12/2019
ROBERT ENYEDI	12/11/2019
YASER AL-ONAIZAN	12/12/2019
ROBERT BARRA-CHICOTE	12/11/2019
ANDREW PAUL BREEN	12/12/2019
RITWIK GIRI	12/11/2019
MEHMET UMUT ISIK	12/12/2019
ARVINDH KRISHNASWAMY	12/12/2019
RECEIVING PARTY DATA	
Name:	AMAZON TECHNOLOGIES, INC.
Street Address:	PO BOX 81226
City:	SEATTLE
State/Country:	WASHINGTON
Postal Code:	98108-1226
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16709792
CORRESPONDENCE DATA	
Fax Number:	(408)675-0442
<i>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.</i>	
Phone:	4086750441
Email:	stacie@ndwe.com
Correspondent Name:	NICHOLSON DE VOS WEBSTER & ELLIOTT, LLP
Address Line 1:	99 ALMADEN BOULEVARD
Address Line 2:	SUITE 710
Address Line 4:	SAN JOSE, CALIFORNIA 95113
ATTORNEY DOCKET NUMBER:	1030P64108US
NAME OF SUBMITTER:	DAVID F. NICHOLSON
SIGNATURE:	/David F. Nicholson/

PATENT

DATE SIGNED:	12/30/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 12 source=P64108-US01 (1030P64108US) - Assignment and Declaration - Privileged and Confidential#page1.tif source=P64108-US01 (1030P64108US) - Assignment and Declaration - Privileged and Confidential#page2.tif source=P64108-US01 (1030P64108US) - Assignment and Declaration - Privileged and Confidential#page3.tif source=P64108-US01 (1030P64108US) - Assignment and Declaration - Privileged and Confidential#page4.tif source=P64108-US01 (1030P64108US) - Assignment and Declaration - Privileged and Confidential#page5.tif source=P64108-US01 (1030P64108US) - Assignment and Declaration - Privileged and Confidential#page6.tif source=P64108-US01 (1030P64108US) - Assignment and Declaration - Privileged and Confidential#page7.tif source=P64108-US01 (1030P64108US) - Assignment and Declaration - Privileged and Confidential#page8.tif source=P64108-US01 (1030P64108US) - Assignment and Declaration - Privileged and Confidential#page9.tif source=P64108-US01 (1030P64108US) - Assignment and Declaration - Privileged and Confidential#page10.tif source=P64108-US01 (1030P64108US) - Assignment and Declaration - Privileged and Confidential#page11.tif source=P64108-US01 (1030P64108US) - Assignment and Declaration - Privileged and Confidential#page12.tif	

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 16/709,792

Attorney Docket No. 1030P64108US

Filing Date December 10, 2019

Client Docket No. P64108-US01

PARTIES TO THE ASSIGNMENT

Assignor(s):

Marcello Federico

410 Terry Avenue North
Seattle, WA 98109-5210

Andrew Paul Breen

410 Terry Avenue North
Seattle, WA 98109-5210

Robert Enyedi

410 Terry Avenue North
Seattle, WA 98109-5210

Ritwik Giri

410 Terry Avenue North
Seattle, WA 98109-5210

Yaser Al-Onaizan

410 Terry Avenue North
Seattle, WA 98109-5210

Mehmet Umut Isik

410 Terry Avenue North
Seattle, WA 98109-5210

Roberto Barra-Chicote

410 Terry Avenue North
Seattle, WA 98109-5210

Arvinth Krishnaswamy

410 Terry Avenue North
Seattle, WA 98109-5210

Assignee:

Amazon Technologies, Inc.
PO Box 81226
Seattle, WA 98108-1226

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled

"MULTILINGUAL SPEECH TRANSLATION WITH ADAPTIVE SPEECH SYNTHESIS AND ADAPTIVE

PHYSIOGNOMY " (Invention) for which a non-provisional application for United States Letters

Patent (Application):

☒ was filed on December 10, 2019 and accorded U.S. Application No. 16/709,792; or

☐ will be filed concurrently with the submission of this executed PATENT ASSIGNMENT
for recordation.

ASSIGNOR(S) hereby authorizes and requests ASSIGNEE'S legal representatives, of

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 16/709,792

Attorney Docket No. 1030P64108US

Filing Date December 10, 2019

Client Docket No. P64108-US01

Title of Invention: MULTILINGUAL SPEECH TRANSLATION WITH ADAPTIVE SPEECH SYNTHESIS AND ADAPTIVE PHYSIOGNOMY

Inventors: **Marcello Federico, Robert Enyedi, Yaser Al-Onaizan, Roberto Barra-Chicote, Andrew Paul Breen, Ritwik Giri, Mehmet Umut Isik, Arvinhd Krishnaswamy**

Nicholson De Vos Webster & Elliott LLP, associated with Customer No. 148241, to insert in the header above and here in parentheses (U.S. Patent Application No. 16/709,792, filed December 10, 2019) this application's U.S. application number and filing date, when known.

WHEREAS, ASSIGNEE, a corporation of the State of Nevada, is desirous of acquiring the entire right, title and interest in and to the Invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE its successors and assigns, the entire right, title and interest in and to said Invention and any improvements thereto, said Application and any and all letters patent which may be granted for said Invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all provisional, divisions, reissues, re-examinations and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said Application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said Invention, Application and all letters patent on said Invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks, as well as all other applicable patent offices throughout the world, to

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 16/709,792

Attorney Docket No. 1030P64108US

Filing Date December 10, 2019

Client Docket No. P64108-US01

Title of Invention: MULTILINGUAL SPEECH TRANSLATION WITH ADAPTIVE SPEECH SYNTHESIS
AND ADAPTIVE PHYSIOGNOMY

Inventors: **Marcello Federico, Robert Enyedi, Yaser Al-Onaizan, Roberto Barra-Chicote,
Andrew Paul Breen, Ritwik Giri, Mehmet Umut Isik, Arvinhd Krishnaswamy**

issue all letters patent on said Invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said Invention, for litigation regarding said letters patent, or for the purpose of protecting title to said Invention or letters patent therefor.

AND ASSIGNOR(S) DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said letters patent before or after issuance.

AND ASSIGNOR(S) DOES HEREBY covenant and agree that ASSIGNOR(S) will communicate to ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Invention or said Application, and testify in any legal proceeding, assist in the preparation of any other patent property relating to the Application and the Invention or any improvements made thereto, sign/execute all lawful papers, provide all requested documents, execute and make all rightful oaths and/or declarations in connection with the Application and the Invention including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid ASSIGNEE, its successors, legal representatives and assigns, to obtain

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 16/709,792

Attorney Docket No. 1030P64108US

Filing Date December 10, 2019

Client Docket No. P64108-US01

Title of Invention: MULTILINGUAL SPEECH TRANSLATION WITH ADAPTIVE SPEECH SYNTHESIS
AND ADAPTIVE PHYSIOGNOMY

Inventors: **Marcello Federico, Robert Enyedi, Yaser Al-Onaizan, Roberto Barra-Chicote,
Andrew Paul Breen, Ritwik Giri, Mehmet Umut Isik, Arvinhd Krishnaswamy**

and enforce proper patent protection for the Invention in all countries. These provisions are
binding upon ASSIGNOR's heirs, legal representatives, administrators, and assigns.

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 16/709,792

Attorney Docket No. 1030P64108US

Filing Date December 10, 2019

Client Docket No. P64108-US01

Title of Invention: MULTILINGUAL SPEECH TRANSLATION WITH ADAPTIVE SPEECH SYNTHESIS
AND ADAPTIVE PHYSIOGNOMY

Inventors: **Marcello Federico, Robert Enyedi, Yaser Al-Onaizan, Roberto Barra-Chicote,
Andrew Paul Breen, Ritwik Giri, Mehmet Umut Isik, Arvinhd Krishnaswamy**

DECLARATION

As a below named inventor, I hereby declare that:

This declaration is directed to:

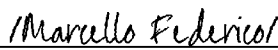
- ☐ the attached application; or
☒ United States Patent Application number 16/709,792 filed on December 10, 2019; or
☐ PCT International Application number _____ filed on _____.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed Invention in the application.

I have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

DocuSigned by:

14A7B0B272064A6...

Marcello Federico

December 12, 2019

Date

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 16/709,792

Attorney Docket No. 1030P64108US

Filing Date December 10, 2019

Client Docket No. P64108-US01

Title of Invention: MULTILINGUAL SPEECH TRANSLATION WITH ADAPTIVE SPEECH SYNTHESIS
AND ADAPTIVE PHYSIOGNOMY

Inventors: **Marcello Federico, Robert Enyedi, Yaser Al-Onaizan, Roberto Barra-Chicote,
Andrew Paul Breen, Ritwik Giri, Mehmet Umut Isik, Arvinhd Krishnaswamy**

DECLARATION

As a below named inventor, I hereby declare that:

This declaration is directed to:

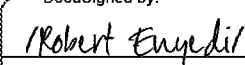
- ☐ the attached application; or
☒ United States Patent Application number 16/709,792 filed on December 10, 2019; or
☐ PCT International Application number _____ filed on _____.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed Invention in the application.

I have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

DocuSigned by:

BCE28634ED69421...

Robert Enyedi

December 11, 2019

Date

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 16/709,792

Attorney Docket No. 1030P64108US

Filing Date December 10, 2019

Client Docket No. P64108-US01

Title of Invention: MULTILINGUAL SPEECH TRANSLATION WITH ADAPTIVE SPEECH SYNTHESIS
AND ADAPTIVE PHYSIOGNOMY

Inventors: **Marcello Federico, Robert Enyedi, Yaser Al-Onaizan, Roberto Barra-Chicote,
Andrew Paul Breen, Ritwik Giri, Mehmet Umut Isik, Arvinhd Krishnaswamy**

DECLARATION

As a below named inventor, I hereby declare that:

This declaration is directed to:

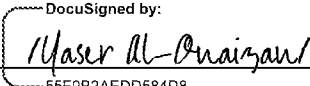
- ☐ the attached application; or
☒ United States Patent Application number 16/709,792 filed on December 10, 2019; or
☐ PCT International Application number _____ filed on _____.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed Invention in the application.

I have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

DocuSigned by:

55F0B2AEDD584D8...

Yaser Al-Onaizan

December 12, 2019

Date

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 16/709,792

Attorney Docket No. 1030P64108US

Filing Date December 10, 2019

Client Docket No. P64108-US01

Title of Invention: MULTILINGUAL SPEECH TRANSLATION WITH ADAPTIVE SPEECH SYNTHESIS
AND ADAPTIVE PHYSIOGNOMY

Inventors: **Marcello Federico, Robert Enyedi, Yaser Al-Onaizan, Roberto Barra-Chicote,
Andrew Paul Breen, Ritwik Giri, Mehmet Umut Isik, Arvinhd Krishnaswamy**

DECLARATION

As a below named inventor, I hereby declare that:

This declaration is directed to:

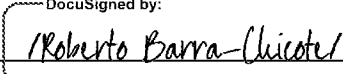
- ☐ the attached application; or
☒ United States Patent Application number 16/709,792 filed on December 10, 2019; or
☐ PCT International Application number _____ filed on _____.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed Invention in the application.

I have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

DocuSigned by:

D3E0B2E204B0419...

Robert Barra-Chicote

December 11, 2019

Date

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 16/709,792

Attorney Docket No. 1030P64108US

Filing Date December 10, 2019

Client Docket No. P64108-US01

Title of Invention: MULTILINGUAL SPEECH TRANSLATION WITH ADAPTIVE SPEECH SYNTHESIS
AND ADAPTIVE PHYSIOGNOMY

Inventors: **Marcello Federico, Robert Enyedi, Yaser Al-Onaizan, Roberto Barra-Chicote,
Andrew Paul Breen, Ritwik Giri, Mehmet Umut Isik, Arvinhd Krishnaswamy**

DECLARATION

As a below named inventor, I hereby declare that:

This declaration is directed to:

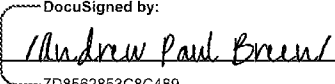
- ☐ the attached application; or
☒ United States Patent Application number 16/709,792 filed on December 10, 2019; or
☐ PCT International Application number _____ filed on _____.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed Invention in the application.

I have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

DocuSigned by:

7D8562853C8C489...
Andrew Paul Breen

December 12, 2019
Date

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 16/709,792

Attorney Docket No. 1030P64108US

Filing Date December 10, 2019

Client Docket No. P64108-US01

Title of Invention: MULTILINGUAL SPEECH TRANSLATION WITH ADAPTIVE SPEECH SYNTHESIS
AND ADAPTIVE PHYSIOGNOMY

Inventors: **Marcello Federico, Robert Enyedi, Yaser Al-Onaizan, Roberto Barra-Chicote,
Andrew Paul Breen, Ritwik Giri, Mehmet Umut Isik, Arvinhd Krishnaswamy**

DECLARATION

As a below named inventor, I hereby declare that:

This declaration is directed to:

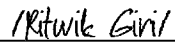
- ☐ the attached application; or
☒ United States Patent Application number 16/709,792 filed on December 10, 2019; or
☐ PCT International Application number _____ filed on _____.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed Invention in the application.

I have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

DocuSigned by:

C3923E8D7A07496...

Ritwik Giri

December 11, 2019

Date

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 16/709,792

Attorney Docket No. 1030P64108US

Filing Date December 10, 2019

Client Docket No. P64108-US01

Title of Invention: MULTILINGUAL SPEECH TRANSLATION WITH ADAPTIVE SPEECH SYNTHESIS
AND ADAPTIVE PHYSIOGNOMY

Inventors: **Marcello Federico, Robert Enyedi, Yaser Al-Onaizan, Roberto Barra-Chicote,
Andrew Paul Breen, Ritwik Giri, Mehmet Umut Isik, Arvinth Krishnaswamy**

DECLARATION

As a below named inventor, I hereby declare that:

This declaration is directed to:

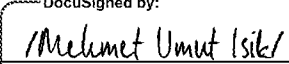
- ☐ the attached application; or
☒ United States Patent Application number 16/709,792 filed on December 10, 2019; or
☐ PCT International Application number _____ filed on _____.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed Invention in the application.

I have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

DocuSigned by:

63F947DBA09C4BC...

Mehmet Umut Isik

December 12, 2019

Date

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 16/709,792

Attorney Docket No. 1030P64108US

Filing Date December 10, 2019

Client Docket No. P64108-US01

Title of Invention: MULTILINGUAL SPEECH TRANSLATION WITH ADAPTIVE SPEECH SYNTHESIS
AND ADAPTIVE PHYSIOGNOMY

Inventors: **Marcello Federico, Robert Enyedi, Yaser Al-Onaizan, Roberto Barra-Chicote,
Andrew Paul Breen, Ritwik Giri, Mehmet Umut Isik, Arvindh Krishnaswamy**

DECLARATION

As a below named inventor, I hereby declare that:

This declaration is directed to:

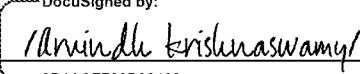
- ☐ the attached application; or
☒ United States Patent Application number 16/709,792 filed on December 10, 2019; or
☐ PCT International Application number _____ filed on _____.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed Invention in the application.

I have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

DocuSigned by:

2D1ACFF98B96469...

Arvindh Krishnaswamy

December 12, 2019

Date