506791141 07/29/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6837960

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
APOORV NAIK	05/28/2021
SAMER A. SARHAN HUSSEIN	05/28/2021
SHUBHASHRI MOHANTY	07/12/2021
MICHAEL A POGUE	05/28/2021
ALI TOOTOONCHIAN	07/26/2021
NITIN ARORA	06/07/2021
VICTOR DANIEL BAZAN	06/01/2021

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:	17038993

CORRESPONDENCE DATA

Fax Number: (509)323-8979

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: 509-324-9256

Email: saybram@leehayes.com LEE & HAYES P.C./AMAZON **Correspondent Name:** 601 WEST RIVERSIDE AVENUE Address Line 1:

Address Line 2: **SUITE 1400**

Address Line 4: SPOKANE, WASHINGTON 99201

ATTORNEY DOCKET NUMBER:	AM2-2952US
NAME OF SUBMITTER:	SAYBRA MORRIS
SIGNATURE:	/Saybra Morris/
DATE SIGNED:	07/29/2021

Total Attachments: 10	
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U.S. Patent Appln. No. <u>17/038,993</u> Attorney Docket No. <u>AM2-2952US</u>
Filing Date <u>September 30, 2020</u> Client Docket No. <u>P71081-US01</u>

PARTIES TO THE ASSIGNMENT

Assignor(s):

Apoorv Naik 410 Terry Avenue North Seattle, WA 98109-5210

Samer A. Sarhan Hussein 410 Terry Avenue North Seattle, WA 98109-5210

Shubhashri Mohanty 410 Terry Avenue North Seattle, WA 98109-5210

Michael A Pogue 410 Terry Avenue North Seattle, WA 98109-5210

Assignee:

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

<u>AGREEMENT</u>

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

"LOW LATENCY AUDIO DATA PIPELINE" (Invention) for which a non-provisional application for

United States Letters Patent (Application):

Was filed on September 30, 2020 and accorded U.S. Application No. 17/038,993; 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

Ali Tootoonchian

410 Terry Avenue North Seattle, WA 98109-5210

Nitin Arora

410 Terry Avenue North Seattle, WA 98109-5210

Victor Daniel Bazan

410 Terry Avenue North Seattle, WA 98109-5210

U.S. Patent Appln. No. 17/038,993

Attorney Docket No. AM2-2952US

Filing Date September 30, 2020

Client Docket No. P71081-US01

Title of Invention: LOW LATENCY AUDIO DATA PIPELINE

Inventors: Apoorv Naik, Samer A. Sarhan Hussein, Shubhashri Mohanty, Michael A Pogue, Ali

Tootoonchian, Nitin Arora, Victor Daniel Bazan

Lee & Hayes, P.C., associated with Customer No. 136607, to insert in the header above and here

in parentheses (U.S. Patent Application No. 17/038,993, filed September 30, 2020) 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

issue all letters patent on said Invention to ASSIGNEE. ASSIGNOR(S) agree to execute all

Page 2 of 10

U.S. Patent Appln. No. 17/038,993

Attorney Docket No. AM2-2952US

Filing Date September 30, 2020

Client Docket No. P71081-US01

Title of Invention: LOW LATENCY AUDIO DATA PIPELINE

Inventors: Apoorv Naik, Samer A. Sarhan Hussein, Shubhashri Mohanty, Michael A Pogue, Ali

Tootoonchian, Nitin Arora, Victor Daniel Bazan

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

and enforce proper patent protection for the Invention in all countries. These provisions are

binding upon ASSIGNOR's heirs, legal representatives, administrators, and assigns.

Page 3 of 10

U.S. Patent Appln. No. <u>17/038,993</u>	Attorney Docket No. <u>AM2-2952US</u>
Filing Date <u>September 30, 2020</u>	Client Docket No. P71081-US01
Title of Invention: LOW LATENCY AUDIO DATA PIPELI	<u>NE</u>
Inventors: Apoorv Naik, Samer A. Sarhan Hussein, S Tootoonchian, Nitin Arora, Victor Daniel Bazan	hubhashri Mohanty, Michael A Pogue, Ali
DECLARATION	
As a below named inventor, I hereby declare that:	
This declaration is directed to:	
the attached application; or	
United States Patent Application number	<u>17/038,993</u> filed on <u>September 30, 2020</u> ; or
PCT International Application number	filed on
The above-identified application was made or author	rized to be made by me.
I believe that I am the original inventor or an original application.	joint inventor of a claimed Invention in the
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 3	7 CFR 1.56.
I hereby acknowledge that any willful false statemen	t made in this declaration is punishable
under 18 USC 1001 by fine or imprisonment of not mDocusigned by:	ore than five (5) years, or both.
/Apoon Maik/	
Apoorv Naik	
May 28, 2021	
Date	

J.S. Patent Appin. No. <u>17/038,993</u>	Attorney Docket No. AM2-2952US
Filing Date <u>September 30, 2020</u>	Client Docket No. <u>P71081-US01</u>
Fitle of Invention: <u>LOW LATENCY AUDIO DA</u>	ATA PIPELINE
nventors: Apoorv Naik, Samer A. Sarhan F Footoonchian, Nitin Arora, Victor Daniel B	Hussein, Shubhashri Mohanty, Michael A Pogue, Ali azan
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PCT International Application no	umber filed on
The above-identified application was made	or authorized to be made by me.
believe that I am the original inventor or a application.	an original joint inventor of a claimed Invention in the
have reviewed and understand the conter	nts 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 de	efined in 37 CFR 1.56.
hereby acknowledge that any willful false	statement made in this declaration is punishable
under 18 USC 1001 by fine or imprisonmen	t of not more than five (5) years, or both.
/Samer d. Sarlian Hussein/	
Samer A. Sarhan Hussein	
May 28, 2021	
Date	

J.S. Patent Appln. No. <u>17/038,993</u>	Attorney Docket No. <u>AM2-2952US</u>
Filing Date <u>September 30, 2020</u>	Client Docket No. <u>P71081-US01</u>
Fitle of Invention: <u>LOW LATENCY AUDIO DATA PIP</u>	<u>ELINE</u>
nventors: Apoorv Naik, Samer A. Sarhan Hussein Footoonchian, Nitin Arora, Victor Daniel Bazan	, Shubhashri Mohanty, Michael A Pogue, Ali
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The above-identified application was made or autl	norized to be made by me.
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hereby acknowledge that any willful false statem	ent made in this declaration is punishable
under 18 USC 1001 by fine or imprisonment of not	more than five (5) years, or both.
/Shubhashri Mohanty/	
Shubhashri Mohanty	
July 12, 2021	
Date	

J.S. Patent Appln. No. <u>17/038,993</u>	Attorney Docket No. <u>AM2-2952US</u>
Filing Date <u>September 30, 2020</u>	Client Docket No. <u>P71081-US01</u>
Fitle of Invention: <u>LOW LATENCY AUDIO DATA PI</u>	<u>PELINE</u>
nventors: Apoorv Naik, Samer A. Sarhan Husse Footoonchian, Nitin Arora, Victor Daniel Bazan	n, Shubhashri Mohanty, Michael A Pogue, Ali
DECLARATION	
As a below named inventor, I hereby declare tha	t:
This declaration is directed to:	
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United States Patent Application nun	nber <u>17/038,993</u> filed on <u>September 30, 2020</u> ; or
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The above-identified application was made or au	thorized to be made by me.
believe that I am the original inventor or an orig	ginal joint inventor of a claimed Invention in the
application.	•
have reviewed and understand the contents of	the above-identified application, and
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me to be material to the patentability as defined	in 37 CFR 1.56.
hereby acknowledge that any willful false state	ment made in this declaration is punishable
under 18 USC 1001 by fine or imprisonment of n	ot more than five (5) years, or both.
Michael A Pogue	
lay 28, 2021	
Date	

July 26, 2021

Date

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63) U.S. Patent Appln. No. 17/038,993 Attorney Docket No. AM2-2952US Filing Date September 30, 2020 Client Docket No. P71081-US01 Title of Invention: LOW LATENCY AUDIO DATA PIPELINE Inventors: Apoorv Naik, Samer A. Sarhan Hussein, Shubhashri Mohanty, Michael A Pogue, Ali Tootoonchian, Nitin Arora, Victor Daniel Bazan DECLARATION As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or \square United States Patent Application number 17/038,993 filed on September 30, 2020; 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: Ali Tootoonchian

U.S. Patent Appin. No. <u>17/038,993</u>	Attorney Docket No. <u>AMZ-2952US</u>
Filing Date <u>September 30, 2020</u>	Client Docket No. P71081-US01
Title of Invention: LOW LATENCY AUDIO DATA	<u>A PIPELINE</u>
Inventors: Apoorv Naik, Samer A. Sarhan Hus Tootoonchian, Nitin Arora, Victor Daniel Baz	ssein, Shubhashri Mohanty, Michael A Pogue, Ali an
<u>DECLARATION</u>	
As a below named inventor, I hereby declare	that:
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I hereby acknowledge that any willful false sta	ntement made in this declaration is punishable
under 18 USC 1001 by fine or imprisonment o	f not more than five (5) years, or both.
Mfin aroral 11848C2CD4EA49C	
Nitin Arora	
June 7, 2021	
Date	

RECORDED: 07/29/2021

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. <u>17/038,993</u>	Attorney Docket No. <u>AM2-2952US</u>
Filing Date <u>September 30, 2020</u>	Client Docket No. <u>P71081-US01</u>
Title of Invention: LOW LATENCY AUDIO DATA PIPELINE	
Inventors: Apoorv Naik, Samer A. Sarhan Hussein, Shubhas Tootoonchian, Nitin Arora, Victor Daniel Bazan	shri Mohanty, Michael A Pogue, Ali
<u>DECLARATION</u>	
As a below named inventor, I hereby declare that:	
This declaration is directed to:	
the attached application; or	
$igstyle$ United States Patent Application number $\underline{17/03}$	<u>8,993</u> filed on <u>September 30, 2020</u> ; or
PCT International Application number	filed on
The above-identified application was made or authorized to	o be made by me.
I believe that I am the original inventor or an original joint in application.	nventor of a claimed Invention in the
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me to be material to the patentability as defined in 37 CFR	1.56.
I hereby acknowledge that any willful false statement made under 18 USC 1001 by fine or imprisonment of not more the Docusigned by: Withor David Bayaw Baya	·
Victor Daniel Bazan	
June 1, 2021	
Date	

Page 10 of 10