

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6992003

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ROBERT CASTON CURTIS	11/27/2019
RAFAL ZWIERZ	12/03/2019
RAFAL MALEWSKI	07/30/2020
MIKE KRISTOFFERSEN	02/05/2020
RECEIVING PARTY DATA	
Name:	ROKU, INC.
Street Address:	170 KNOWLES DRIVE
City:	LOS GATOS
State/Country:	CALIFORNIA
Postal Code:	95032
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17510954
CORRESPONDENCE DATA	
Fax Number:	(202)371-2540
<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>	
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Address Line 4:	WASHINGTON, UNITED STATES 20005
ATTORNEY DOCKET NUMBER:	3634.1540003
NAME OF SUBMITTER:	HARISH RUCHANDANI
SIGNATURE:	/Harish Ruchandani, Reg. No. 58,770/
DATE SIGNED:	10/27/2021
Total Attachments: 8	
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ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: **Robert Caston CURTIS, Rafal ZWIERZ, Rafal MALEWSKI and Mike KRISTOFFERSEN**, hereby sell and assign to **Roku, Inc.**, a corporation formed under the laws of Delaware, whose mailing address is 170 Knowles Drive, Los Gatos, CA 95032 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **LOW LATENCY DISTRIBUTION OF AUDIO USING A SINGLE RADIO** for which application(s) for patent in the United States of America has a filing date or a 371(c) date of _____ (also known as United States Application No. _____), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventors had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.


The undersigned inventors agree to execute all papers necessary in connection with any judicial or administrative proceeding, including but not limited to an interference, derivation, post-grant proceeding, or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof or Letters Patent(s) therefor and to cooperate with the Assignee in every way possible in obtaining evidence and assisting with such judicial or administrative proceeding.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 26111** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

The undersigned inventors hereby represent that he/she understands that the patent practitioners associated with **CUSTOMER NUMBER 26111** are the legal representatives of, and attorneys for, the assignee, and are NOT the legal representatives of, and attorneys for, the inventors.

IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date: 11/27/2019 Signature of Inventor: 
Robert Caston CURTIS

Date: _____ Signature of Inventor: _____
Rafal ZWIERZ

Date: _____ Signature of Inventor: _____
Rafal MALEWSKI

Date: _____ Signature of Inventor: _____
Mike KRISTOFFERSEN

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ASSIGNMENT

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(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventors had this assignment and sale not been made.

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PATENT

REEL: 057933 FRAME: 0164

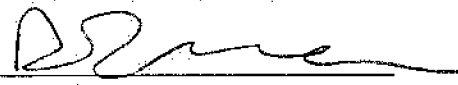
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IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date: _____	Signature of Inventor: _____ Robert Caston CURTIS
Date: <u>December 3rd 2019</u>	Signature of Inventor:  Rafal ZWIERZ
Date: _____	Signature of Inventor: _____ Rafal MALEWSKI
Date: _____	Signature of Inventor: _____ Mike KRISTOFFERSEN

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ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: **Robert Caston CURTIS, Rafal ZWIERZ, Rafal MALEWSKI and Mike KRISTOFFERSEN**, hereby sell and assign to **Roku, Inc.**, a corporation formed under the laws of Delaware, whose mailing address is 170 Knowles Drive, Los Gatos, CA 95032 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

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(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

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assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

Appl. No. *to be assigned*
Atty. Docket No. 3634.1540001

The undersigned inventors agree to execute all papers necessary in connection with any judicial or administrative proceeding, including but not limited to an interference, derivation, post-grant proceeding, or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-inpart), reissue or reexamination application(s) thereof or Letters Patent(s) therefor and to cooperate with the Assignee in every way possible in obtaining evidence and assisting with such judicial or administrative proceeding.

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IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date:	Signature of Inventor:	Robert Caston CURTIS
Date:	Signature of Inventor:	Rafal ZWIERZ
Date: <u>7/30/20</u>	Signature of Inventor:	/Rafal Malewski/ Rafal MALEWSKI
Date:	Signature of Inventor:	Mike KRISTOFFERSEN

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ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to the undersigned inventor: **Mike KRISTOFFERSEN**, hereby sell and assign to **Roku, Inc.**, a corporation formed under the laws of Delaware, whose mailing address is 170 Knowles Drive, Los Gatos, CA 95032 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **LOW LATENCY DISTRIBUTION OF AUDIO USING A SINGLE RADIO** for which application(s) for patent in the United States of America has a filing date or a 371(c) date of November 20, 2019 (also known as United States Application No. 16/689,749), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

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Assignee agrees to reimburse the inventor's actual and reasonable expenses (including but not limited to travel and time, and during the inventor's employment with Assignee and thereafter) (referred to herein as Expenses), as long as the Expenses are necessary to comply with the foregoing and are consistent with Assignee's current policy regarding employee expenses and travel.

The undersigned inventor hereby represents that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

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IN WITNESS WHEREOF, executed by the undersigned inventor on the date opposite his/her name.

Date: Feb 5 - 2020

Signature of Inventor: 
Mike KRISTOFFERSEN