

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6389104

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SATTWIK BASU	10/29/2020
JEFFREY CHARLES TACKETT	10/29/2020
DAVID TRUMPY	10/27/2020
JAMES MAY	11/06/2020
TODD EDWARD TOUSIGNANT	10/29/2020
RECEIVING PARTY DATA	
Name:	HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED
Street Address:	400 ATLANTIC STREET
City:	STAMFORD
State/Country:	CONNECTICUT
Postal Code:	06901
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17091449
CORRESPONDENCE DATA	
Fax Number:	(248)358-3351
<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:	248-358-4400
Email:	cdara@brookskushman.com
Correspondent Name:	BROOKS KUSHMAN P.C./HARMAN
Address Line 1:	1000 TOWN CENTER
Address Line 2:	TWENTY SECOND FLOOR
Address Line 4:	SOUTHFIELD, MICHIGAN 48075
ATTORNEY DOCKET NUMBER:	HARM0766PUS
NAME OF SUBMITTER:	MICHAEL D. CUSHION
SIGNATURE:	/Michael D. Cushion/
DATE SIGNED:	11/06/2020
This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 8

source=Executed_Declaration_and_Assignment#page1.tif

source=Executed_Declaration_and_Assignment#page2.tif

source=Executed_Declaration_and_Assignment#page3.tif

source=Executed_Declaration_and_Assignment#page4.tif

source=Executed_Declaration_and_Assignment#page5.tif

source=Executed_Declaration_and_Assignment#page6.tif

source=Executed_Declaration_and_Assignment#page7.tif

source=Executed_Declaration_and_Assignment#page8.tif

**ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN
APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)****Title of Invention** **VIRTUAL LOCATION NOISE SIGNAL ESTIMATION FOR ENGINE ORDER
CANCELLATION**

As a below named inventor, I hereby declare that:

This declaration is directed to:

☐ The attached application, or☒ United States application or PCT international application number
17/091,449 filed on November 6, 2020 (I hereby authorize the
insertion of the application filing date and number when they become known.)

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 hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to
patentability as defined in 37 C.F.R. § 1.56.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I do hereby assign, sell and
set over to Harman International Industries, Incorporated, a corporation organized and existing under the laws of the state or
country of the United States, and having a place of business at 400 Atlantic Street, 15th Floor, Stamford, CT 06901, hereinafter
referred to as the ASSIGNEE, its successors, assigns or other legal representatives, my entire right, title and interest, domestic and
foreign, in and to the inventions and discoveries in the above-identified application including the right of said ASSIGNEE, its
successors, assigns or other legal representatives to make applications and to receive Letters Patent for said inventions and
discoveries in any and all foreign countries in its or their own name or names, or in my name, at its or their election, and I hereby
assign, sell and set over to said ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, including any
provisional applications, in and to said inventions and discoveries in all countries, including all applications claiming benefit of the
filing date hereof, continuations, continuations-in-part, divisionals, reexaminations and reissue applications.

And I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, including
applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said
ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein assigned,
sold and set over.

And I hereby represent and warrant that I have not granted any rights inconsistent with the rights granted herein.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or
imprisonment of not more than five (5) years or both.**LEGAL NAME OF INVENTOR**Inventor: Sattwik BasuDate: 10/29/2020Signature: 

Page 1 of 2 (Supplemental Sheet with Additional Joint Inventors is attached if necessary)

Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

**SUPPLEMENTAL SHEET FOR ASSIGNMENT AND
DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN
APPLICATION USING AN APPLICATION DATA SHEET
(37 C.F.R. 1.76)**Additional Inventors
Page 2 of 2

Title of Invention

VIRTUAL LOCATION NOISE SIGNAL ESTIMATION FOR ENGINE ORDER
CANCELLATION**Legal Name of Additional Joint Inventor:**Inventor: Jeffrey Charles TackettDate: 10/29/2020Signature: Jeffrey Charles Tackett**Legal Name of Additional Joint Inventor:**Inventor: David Trumpy

Date: _____

Signature: _____

Legal Name of Additional Joint Inventor:Inventor: James May

Date: _____

Signature: _____

Legal Name of Additional Joint Inventor:Inventor: Todd Edward Tousignant

Date: _____

Signature: _____

**ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN
APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)**

Title of Invention	VIRTUAL LOCATION NOISE SIGNAL ESTIMATION FOR ENGINE ORDER CANCELLATION
---------------------------	---

As a below named inventor, I hereby declare that:

This declaration is directed to:

- ☐ The attached application, or
- ☒ United States application or PCT international application number
17/091,449 filed on November 6, 2020 (I hereby authorize the
insertion of the application filing date and number when they become known.)

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 hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I do hereby assign, sell and set over to Harman International Industries, Incorporated, a corporation organized and existing under the laws of the state or country of the United States, and having a place of business at 400 Atlantic Street, 15th Floor, Stamford, CT 06901, hereinafter referred to as the ASSIGNEE, its successors, assigns or other legal representatives, my entire right, title and interest, domestic and foreign, in and to the inventions and discoveries in the above-identified application including the right of said ASSIGNEE, its successors, assigns or other legal representatives to make applications and to receive Letters Patent for said inventions and discoveries in any and all foreign countries in its or their own name or names, or in my name, at its or their election, and I hereby assign, sell and set over to said ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, including any provisional applications, in and to said inventions and discoveries in all countries, including all applications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, reexaminations and reissue applications.

And I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein assigned, sold and set over.

And I hereby represent and warrant that I have not granted any rights inconsistent with the rights granted herein.

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

LEGAL NAME OF INVENTOR

Inventor: Sattwik Basu Date: _____

Signature: _____

Page 1 of 2 (Supplemental Sheet with Additional Joint Inventors is attached if necessary)

Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

Attorney Docket Number

HARM0766PUS
P200119US

**SUPPLEMENTAL SHEET FOR ASSIGNMENT AND
DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN
APPLICATION USING AN APPLICATION DATA SHEET
(37 C.F.R. 1.76)**

Additional Inventors
Page 2 of 2

Title of Invention

VIRTUAL LOCATION NOISE SIGNAL ESTIMATION FOR ENGINE ORDER
CANCELLATION

Legal Name of Additional Joint Inventor:

Inventor: Jeffrey Charles Tackett

Date:

Signature:

Legal Name of Additional Joint Inventor:

Inventor: David Trumpy

Date:

10/17/2020

Signature:

Legal Name of Additional Joint Inventor:

Inventor: James May

Date:

Signature:

Legal Name of Additional Joint Inventor:

Inventor: Todd Edward Tousignant

Date:

Signature:

**ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN
APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)**

Title of Invention	VIRTUAL LOCATION NOISE SIGNAL ESTIMATION FOR ENGINE ORDER CANCELLATION
--------------------	--

As a below named inventor, I hereby declare that:

This declaration is directed to:

- ☐ The attached application, or
- ☒ United States application or PCT international application number
17/091,449 filed on November 6, 2020 (I hereby authorize the
insertion of the application filing date and number when they become known.)

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 hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I do hereby assign, sell and set over to Harman International Industries, Incorporated, a corporation organized and existing under the laws of the state or country of the United States, and having a place of business at 400 Atlantic Street, 15th Floor, Stamford, CT 06901, hereinafter referred to as the ASSIGNEE, its successors, assigns or other legal representatives, my entire right, title and interest, domestic and foreign, in and to the inventions and discoveries in the above-identified application including the right of said ASSIGNEE, its successors, assigns or other legal representatives to make applications and to receive Letters Patent for said inventions and discoveries in any and all foreign countries in its or their own name or names, or in my name, at its or their election, and I hereby assign, sell and set over to said ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, including any provisional applications, in and to said inventions and discoveries in all countries, including all applications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, reexaminations and reissue applications.

And I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein assigned, sold and set over.

And I hereby represent and warrant that I have not granted any rights inconsistent with the rights granted herein.

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

LEGAL NAME OF INVENTOR

Inventor: Sattwik Basu Date: _____

Signature: _____

Page 1 of 2 (Supplemental Sheet with Additional Joint Inventors is attached if necessary)

Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

SUPPLEMENTAL SHEET FOR ASSIGNMENT AND
DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN
APPLICATION USING AN APPLICATION DATA SHEET
(37 C.F.R. 1.76)Additional Inventors
Page 2 of 2

Title of Invention

VIRTUAL LOCATION NOISE SIGNAL ESTIMATION FOR ENGINE ORDER
CANCELLATION

Legal Name of Additional Joint Inventor:

Inventor: Jeffrey Charles Tackett

Date: _____

Signature: _____

Legal Name of Additional Joint Inventor:

Inventor: David Trumpy

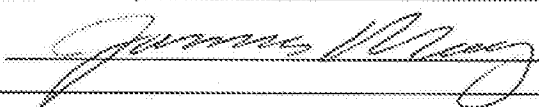
Date: _____

Signature: _____

Legal Name of Additional Joint Inventor:

Inventor: James May

Date: 11/6/2020

Signature: 

Legal Name of Additional Joint Inventor:

Inventor: Todd Edward Tousignant

Date: _____

Signature: _____

**ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN
APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)**

Title of Invention	VIRTUAL LOCATION NOISE SIGNAL ESTIMATION FOR ENGINE ORDER CANCELLATION
---------------------------	---

As a below named inventor, I hereby declare that:

This declaration is directed to:

- ☐ The attached application, or
- ☒ United States application or PCT international application number
17/091,449 filed on November 6, 2020. (I hereby authorize the
insertion of the application filing date and number when they become known.)

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 hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I do hereby assign, sell and set over to Harman International Industries, Incorporated, a corporation organized and existing under the laws of the state or country of the United States, and having a place of business at 400 Atlantic Street, 15th Floor, Stamford, CT 06901, hereinafter referred to as the ASSIGNEE, its successors, assigns or other legal representatives, my entire right, title and interest, domestic and foreign, in and to the inventions and discoveries in the above-identified application including the right of said ASSIGNEE, its successors, assigns or other legal representatives to make applications and to receive Letters Patent for said inventions and discoveries in any and all foreign countries in its or their own name or names, or in my name, at its or their election, and I hereby assign, sell and set over to said ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, including any provisional applications, in and to said inventions and discoveries in all countries, including all applications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, reexaminations and reissue applications.

And I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein assigned, sold and set over.

And I hereby represent and warrant that I have not granted any rights inconsistent with the rights granted herein.

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

LEGAL NAME OF INVENTOR

Inventor: Sattwik Basu Date: _____

Signature: _____

Page 1 of 2 (Supplemental Sheet with Additional Joint Inventors is attached if necessary)

Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

SUPPLEMENTAL SHEET FOR ASSIGNMENT AND
DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN
APPLICATION USING AN APPLICATION DATA SHEET
(37 C.F.R. 1.76)Additional Inventors
Page 2 of 2

Title of Invention

VIRTUAL LOCATION NOISE SIGNAL ESTIMATION FOR ENGINE ORDER
CANCELLATION

Legal Name of Additional Joint Inventor:

Inventor: Jeffrey Charles Tackett

Date:

Signature:

Legal Name of Additional Joint Inventor:

Inventor: David Trumpy

Date:

Signature:

Legal Name of Additional Joint Inventor:

Inventor: James May

Date:

Signature:

Legal Name of Additional Joint Inventor:

Inventor: Todd Edward Tousignant

Date: 10/29/20

Signature: 