

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5988404

| | |
|---|---|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| JINU KIM | 12/27/2019 |
| HAO XU | 12/26/2019 |
| HAO LIU | 02/24/2020 |
| LILLY LUK | 12/26/2019 |
| RAM IYER | 02/27/2020 |
| RECEIVING PARTY DATA | |
| Name: | HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED |
| Street Address: | 400 ATLANTIC STREET |
| Internal Address: | 15TH FLOOR |
| City: | STAMFORD |
| State/Country: | CONNECTICUT |
| Postal Code: | 06901 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16728974 |
| CORRESPONDENCE DATA | |
| Fax Number: | (971)271-8021 |
| <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: | 9712718020 |
| Email: | patentcomm@mccrus.com |
| Correspondent Name: | MCCOY RUSSELL LLP |
| Address Line 1: | 806 SW BROADWAY SUITE 600 |
| Address Line 4: | PORTLAND, OREGON 97205 |
| ATTORNEY DOCKET NUMBER: | P190210US |
| NAME OF SUBMITTER: | LUKAS MCNETT |
| SIGNATURE: | /Lukas McNett/ |
| DATE SIGNED: | 02/28/2020 |
| Total Attachments: 4 | |

source=Executed_Assignment_P190210US_HMN19313#page1.tif

source=Executed_Assignment_P190210US_HMN19313#page2.tif

source=Executed_Assignment_P190210US_HMN19313#page3.tif

source=Executed_Assignment_P190210US_HMN19313#page4.tif

PATENT

REEL: 051962 FRAME: 0416

**ASSIGNMENT AND DECLARATION (37 CFR 1.63) FOR A NEW DESIGN OF BACK UP ANTENNA
FOR TELEMATICS AND CONNECTIVITY ANTENNA MODULE (37 CFR 1.76)**

Title of Invention **A NEW DESIGN OF BACK UP ANTENNA FOR TELEMATICS AND
CONNECTIVITY ANTENNA MODULE**

As the below named inventor, I hereby declare that:

This declaration is directed to:

- ☐ The attached application, or
☒ United States or PCT international application number
16/728,974 filed on December 27, 2019. (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 of Delaware, and having a place of business at 400 Atlantic Street, 15th Floor, Stamford, Connecticut 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: Jinu Kim

Date: December 27, 2019

Signature: *Jinu Kim*

Page 1 (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.


Docket Number

P190210US

**ASSIGNMENT AND DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING
AN APPLICATION DATA SHEET (37 CFR 1.76)****Title of
Invention****A NEW DESIGN OF BACK UP ANTENNA FOR TELEMATICS AND
CONNECTIVITY ANTENNA MODULE****Legal Name of Additional Joint Inventor:**Inventor: Hao XuDate: 12/26/2019Signature: **Legal Name of Additional Joint Inventor:**Inventor: Hao Liu

Date: _____

Signature: _____

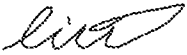
Legal Name of Additional Joint Inventor:Inventor: Lilly LukDate: 12/26/2019Signature: **Legal Name of Additional Joint Inventor:**Inventor: Ram Iyer

Date: _____

Signature: _____

| | | |
|--|---|-----------|
| Docket Number | | P190210US |
| ASSIGNMENT AND DECLARATION (37 CFR. 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) | | |
| Title of Invention | A NEW DESIGN OF BACK UP ANTENNA FOR TELEMATICS AND CONNECTIVITY ANTENNA MODULE | |

| | |
|---|-------------|
| Legal Name of Additional Joint Inventor: | |
| Inventor: <u>Hao Xu</u> | Date: _____ |
| Signature: _____ | |

| | |
|---|--------------------------------|
| Legal Name of Additional Joint Inventor: | |
| Inventor: <u>Hao Liu</u> | Date: <u>February 24, 2020</u> |
| Signature: <u></u> | |

| | |
|---|-------------|
| Legal Name of Additional Joint Inventor: | |
| Inventor: <u>Lilly Luk</u> | Date: _____ |
| Signature: _____ | |

| | |
|---|-------------|
| Legal Name of Additional Joint Inventor: | |
| Inventor: <u>Ram Iyer</u> | Date: _____ |
| Signature: _____ | |

Docket Number

P190210US

ASSIGNMENT AND DECLARATION (37 CFR. 1.63) FOR UTILITY OR DESIGN APPLICATION USING
AN APPLICATION DATA SHEET (37 CFR 1.76)Title of
InventionA NEW DESIGN OF BACK UP ANTENNA FOR TELEMATICS AND
CONNECTIVITY ANTENNA MODULE

Legal Name of Additional Joint Inventor:

Inventor: Hao Xu

Date:

Signature:

Legal Name of Additional Joint Inventor:

Inventor: Hao Liu

Date:

Signature:

Legal Name of Additional Joint Inventor:

Inventor: Lily Luk

Date:

Signature:

Legal Name of Additional Joint Inventor:

Inventor: Ram Iyer

Date: Feb 27, 2020

Signature: 