

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6894883

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
XIANGRU BI	07/20/2021
GUOXIA ZHANG	08/11/2021
YOUYE XIE	08/11/2021
QINGSHAN ZHANG	07/20/2021
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Property Type	Number
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DATE SIGNED:	09/01/2021
Total Attachments: 2	
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Attorney Docket Number

PI80206USWO
HARM0804PUSA

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

METHOD AND SYSTEM FOR VOICE SEPARATION BASED ON DEGENERATE UNMIXING ESTIMATION TECHNIQUE

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 PCT/CN2019/076140 filed on February 26, 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, 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: Xiangru Bi

Date: 7/20/2021

Signature: Xiangru Bi

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.

PATENT

REEL: 057350 FRAME: 0798

Attorney Docket Number

P180206USWO
HARM0804PUSA

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

METHOD AND SYSTEM FOR VOICE SEPARATION BASED ON
DEGENERATE UNMIXING ESTIMATION TECHNIQUE

Legal Name of Additional Joint Inventor:

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Date: 2021-8-11

Signature: Guoxia Zhang

Legal Name of Additional Joint Inventor:

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Date: 2021-8-11

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Date: 2021-7-20

Signature: Qingshan Zhang