504909909 05/10/2018

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4956653

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
YUICHIRO TAKAYANAGI	08/13/2015
MASASHI KUSAKA	08/13/2015

### **RECEIVING PARTY DATA**

Name:	PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA	
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State/Country:	CALIFORNIA CALIFORNIA	
Postal Code:	90503	

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15976834

#### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER: 01-008		
NAME OF SUBMITTER: KERRY S. CULPEPPER		
SIGNATURE:	/Kerry S. Culpepper, #45672/	
DATE SIGNED:	05/10/2018	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

**Total Attachments: 2** 

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PATENT 504909909 REEL: 045775 FRAME: 0021

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Route: □PCT/ □Paris/ ■US First □CA/ □DIV/ □CIP/ □Bypass

Combined Declaration & Assignment under 35 U.S.C §115(e) Form Ver1.0 (May, 2014)

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) and ASSIGNMENT

Title of Invention	METHOD AND APPARATUS FOR RECOGNIZING SPEECH BY LIP READING	
As the below	named inventor, I hereby declare that:	
This declara		
is all ected to	United States application or PCT international application number	
	filed on	
I believe that I hereby ack imprisonmer	ndentified application was made or authorized to be made by me.  If am the original inventor or an original joint inventor of a claimed invention in the application.  If am the original inventor or an original joint inventor of a claimed invention in the application.  If a moving the original inventor or an original joint inventor of a claimed invention in the application.  If a moving the original inventor or an original joint inventor of a claimed invention in the application.  If a moving the original inventor or an original joint inventor of a claimed invention in the application.  If a moving the original inventor or an original joint inventor of a claimed invention in the application.  If a moving the original inventor or an original joint inventor of a claimed invention in the application.	
person has r	reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose ratent and Trademark Office all information known to the person to be material to patentability as defined in § 1.56."	
WHEREAS, 90503	the undersigned has (have) invented the invention identified above:  Panasonic Intellectual Property Corporation of America of 20000 Mariner Avenue, Suite 200, Torrance, CA,	
	s, successors, legal representatives and assigns (hereinafter designated as "Assignee(s)") is/are desirous of e entire right, title, and interest in and to said invention and in and to any Letters Patent(s) that may be granted	

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged and intended to be legally bound hereby, the undersigned, by these presents, does sell, assign and transfer unto said Assignee(s) the entire and exclusive right, title and interest in and to; (i) said invention in the United States of America, its territories, dependencies and possessions (hereinafter designated as the United States) and in all countries foreign to the United States; and (ii) this patent application and any and all related patent application(s) disclosing said invention, including provisionals, non-provisionals, conversions, divisions, continuations, continuations-in-part and reissues thereof in the United States and all countries foreign to the United States (hereinafter designated as "Related Applications"), along with all rights of priority created by this patent application under any treaty relating thereto; and (iii) any and all Letters Patent(s), including all renewals, extensions, reissues and reexamination certificates which may be granted therefore, and all rights to sue for past and future infringement thereunder, in the United States and in all countries foreign to the United States for the full term or terms thereof.

The undersigned agree(s) to execute all papers necessary in connection with this application and any and all Related Applications thereof, all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements, all papers necessary in connection with any post-grant proceeding and any administrative proceeding which may occur in connection with this application or any and all Related Applications thereof and to cooperate with the Assignee(s) in every way possible in obtaining and producing evidence and proceeding with such post-grant proceeding and any administrative proceeding, and for any and all litigations regarding, or for the purpose of protecting the right, title and interest in and to said invention, this application and any and all Related Applications or Letters Patent(s) therefore, and to testify in any legal proceeding relating thereto and in support thereof, for the benefit of Assignee(s), and also to execute separate assignments in connection with such applications as the Assignee(s) may deem necessary or expedient.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States and any foreign patent(s) to the Assignee(s) and to vest all rights hereby conveyed to the Assignee(s) as fully and entirely as the same would have been held by the undersigned if this Assignment had not been made.

The undersigned hereby authorize(s) and request(s) the Director of the United States Patent & Trademark Office, and officials

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of all foreign countries, whose duty is to issue patents, to issue any and all Letters Patent(s) resulting from said application or any and all Related Applications thereof to said Assignee(s) and hereby covenants that the undersigned has (have) full right to convey the entire interest herein assigned, and that the undersigned has (have) not executed, and will not execute, any assignment, sale, agreement or encumbrances in conflict herewith.

The undersigned hereby does sell, assign and transfer unto said Assignee(s) the full and exclusive authority for revoking power of attorney(s) executed by the undersigned in connection with this application and for executing a new power of attorney in place thereof.

The undersigned hereby grant(s) the Assignee(s) and any appointed U.S. patent attorneys and agents the power to insert on this assignment any further information which may be necessary or desirable in order to comply with the rules of the U.S. Patent Office for recordation of this document.

The undersigned hereby agree(s) that the above obligations shall apply to the undersigned both individually and collectively.

The undersigned hereby agree(s) that this Assignment shall be construed in accordance with the law of the appropriate jurisdiction within the United States.

The undersigned hereby authorizes any appointed U.S. attorney or agent to accept and follow instructions from either his foreign patent agent or corporate representative, if any, as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned.

IN WITNESS WHEREOF, executed by the undersigned on the date(s) following the undersigned name(s) and signature(s).

LEGAL NAME OF INVENTOR(S)					
	(a) First Name, Last Name	(b) Signature	(c) Date signed		
(1)	Yuichiro Takayanagi	John John	Month, Date, Year		
(2)	Masashi Kusaka	m.Kh	Month, Date, Year    13   20   5		
(3)			Month, Date, Year		
(4)			Month, Date, Year		
(5)			Month, Date, Year		
(6)			Month, Date, Year		
(7)			Month, Date, Year		
(8)			Month, Date, Year		

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.