

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5626573

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	CHEOL-HOON BAEK	06/22/2015
RECEIVING PARTY DATA		
Name:	SAMSUNG ELECTRONICS CO., LTD.	
Street Address:	129, SAMSUNG-RO, YEONGTONG-GU, GYEONGGI-DO	
City:	SUWON-SI	
State/Country:	KOREA, REPUBLIC OF	
Postal Code:	16677	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15752152
CORRESPONDENCE DATA		
Fax Number:	(202)293-7860	
<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:	202-293-7060	
Email:	tyarborough@sughrue.com, sughrue@sughrue.com	
Correspondent Name:	SUGHRUE MION, PLLC	
Address Line 1:	2000 PENNSYLVANIA AVENUE, N.W.	
Address Line 2:	SUITE 800	
Address Line 4:	WASHINGTON, D.C. 20006	
ATTORNEY DOCKET NUMBER:	Q237631	
NAME OF SUBMITTER:	TODD YARBOROUGH, TEAMS DEPT	
SIGNATURE:	/Todd Yarborough/	
DATE SIGNED:	07/19/2019	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 6		
source=Q237631EmployeeAgreementwithEnglishtranslation#page1.tif		
source=Q237631EmployeeAgreementwithEnglishtranslation#page2.tif		
source=Q237631EmployeeAgreementwithEnglishtranslation#page3.tif		
source=Q237631EmployeeAgreementwithEnglishtranslation#page4.tif		

source=Q237631EmployeeAgreementwithEnglishtranslation#page5.tif

source=Q237631EmployeeAgreementwithEnglishtranslation#page6.tif

PATENT

REEL: 049806 FRAME: 0782

DECLARATION

I, Jihee LIM, a Korean citizen of 9F Shinduk Bldg., 343, Gangnam-daero, Seocho-gu, Seoul, 06626, South Korea do hereby solemnly and sincerely declare as follows:

1. That I am well acquainted with the English and Korean languages.
2. That the following is a correct translation into English of the Employee's invention report of Samsung Electronics Co., Ltd., for the invention of this application, and I make the solemn declaration conscientiously believing the same to be true.

Seoul, August 23, 2018

A handwritten signature in cursive script, appearing to read 'Lim Jihee', written over a horizontal line.

Jihee LIM

* I (We) assign a right to receive a patent right for the following invention to the company under Article 4 of the employee's invention compensation standards of the company.

Title of Invention(Korean)	근거리 디바이스의 서비스 정보를 이용한 멀티미디어 코덱의 호환성 향상 방법	Reporting ID	J2015-06-1428
Title of Invention(English)	Apparatus and method for improving multimedia codec compatibility of mobile audio transmission system using service information		

Basic Information

Department reporting the invention	SET		Inventor		JUNG, JONG HOON		Department Name		Multimedia Solution Team (DMC Lab)	
Whether the invention is related to the project	Connected									
Project Title	Connected Wireless Audio with High-quality Sound									
Information on Inventor(s)	In-house or not	Name (Korean)	Working Condition	Name (English)	Company	Department	Representative	Share ratio (%)	Contribution	
	In-house	정종훈	Working	JEONGJONG-HOON	Samsung Electronics Co., Ltd.	AI center (SR)	Yes	30		
	In-house	주기현	Working	CHOOKIHYUN	Samsung Electronics Co., Ltd.	AI center (SR)		25		
	In-house	오은미	Working	OHEUNMI	Samsung Electronics Co., Ltd.	AI center (SR)		20		
	In-house	김성찬	Working	SUNGCHAN KIM	Samsung Electronics Co., Ltd.	Applications for common use, Group 2 (SR)		15	Click	
	In-house	백철훈	Retired	BaekCheolhoon	Samsung Electronics Co., Ltd.	Next generation mobile team (DMC Lab)		10		
Product Classification (New)	Code	Classification System			Description of Classification			*Representative Classification		
	PA010102	Mobile device > Cellphone/Tablet/Portable player > Smart Phone			Android, IOS, etc.			○		
	PA010501	Mobile device > Accessory for Mobile> Earphone			Wired/Bluetooth earphone			○		
	PA010502	Mobile device > Accessory for Mobile> Headset			Wired/Bluetooth headset			●		
	PA010503	Mobile device > Accessory for Mobile> Wireless Speaker			Used by being connected with mobile phones, such as Docking/ Bluetooth, etc.			○		
Technology Classification (New)	Code	Classification System			Description of Classification			*Representative Classification		
	TA01010402	Mobile device > Cellphone/Tablet/Portable player > Connectivity standard > Bluetooth			Near field communication technology standard			●		
	TA01011802	Mobile device > Cellphone/Tablet/Portable player > Multimedia standard > Audio CODEC			AAC, AC3, USAC, MPEG-4 audio, MP3, etc.			○		
Technology Classification (Old)	Code			Classification System						
Product	Code			Classification System						

Classification (Old)		
----------------------	--	--

Applicant(s) Information

Whether the Applicant is a co-applicant	Self-invention	Type of Ownership of Right				
Information on the organization which submitted and participated in the invention	Domestic/Overseas	Classification	Corporation Name	Whether the corporation is the applicant (Ownership of right)	Cost Share Ratio (%)	Right Share Ratio (%)
	Domestic	Corporation	Samsung Electronics Co. Ltd.	<input checked="" type="checkbox"/>	100	
Contract	Download					
	<input type="checkbox"/>	File Name	Size	File Description		
No data						
Confirmation of Contribution to Invention & Evidential Documents (Meeting minutes, e-mails, drawings, etc.)	Download					
	<input type="checkbox"/>	File Name	Size	File Description		
No data						
Information on Cost Sharing						

Prior Art Search

Prior Art	Registra-tion ID	Title of Application (Title of Invention)	Nation	Application No.	Applicant	Filing Date	Laid-open No.	Laid-open Date
		CONFIGURING A CODEC FOR COMMUNICATING AUDIO DATA USING A BLUETOOTH NETWORK CONNECTION	US	US13/597140	APPLE INC.	2012 0828	US201303310 32A1	20131212
							Registration No.	Registration Date
							US9008580	20150414
Dissertation Searched	Title of Dissertation		Writer	Journal Name	Pages	Publication Date		
Review Opinion on Prior Art								
Other Prior Art Reference	Download							
	<input type="checkbox"/>	File Name	Size	File Description				
No data								

Content of Invention

Abstract of Invention	Classification	Conventional Technology	Present Invention
	Purpose	Transmission of wireless audio using a Bluetooth communication method	Transmission of wireless audio using a Bluetooth communication method
	Feature	Performing paring between Tx/Rx devices using a codec list included in the system	Performing paring between Tx/Rx devices using a codec list and information on the constitution of the codec included in the system
	Effect	Performing audio transmission using	Performing audio transmission using

		an optimal codec in the codec list included in the system	an optimal constitution of the codec in the codec list and information on the constitution of the codec included in the system
	Difference	<p>In the conventional technology, only a codec and its constitution that are already known (included in the system) can be used.</p> <p>In the present invention, information on the constitution of a codec is exchanged between Tx/Rx, and selection and initialization of a codec are performed, and as a result, compatibility of a codec is ensured, and at the same time, additional functions can be added.</p>	
Invention Keyword			
Invention Discovery Activity (Whether collective intelligence was used)		Name of Invention Discovery Activity	
Employee's invention report			

Reference Regarding Patent Application

Whether the application was urgently filed	NORMAL	Reason for Urgent Application		
Detailed Reason(s) for Urgent Application				
Attached Data for Urgent Application	Download			
	<input type="checkbox"/>	File Name	Size	File Description
	No data			
Whether the application was published	No	Country/Organization where the application was published		
Publication Date		Publication Method		
Whether the application is a subject for standardization	No	Date the application was determined to be a candidate for standardization	Whether there is a contribution	Initial (or expected) date of contribution
Organization for Standardization	Name of Organization for Standardization	Name of Standardization Project		
Applied Products	<input type="checkbox"/> Smart Phone <input type="checkbox"/> Tablet <input type="checkbox"/> PC...			
Notice to the Patent Department				

Peer Review

Date of Review		Reviewer	
Content of Review			

History of Approval

Title	Apparatus and method for improving multimedia codec compatibility of mobile audio transmission system using service information
Status	Finally approved

Order	Classification	Name	Career Development ...	Processed Time and Date	Name of Department	Opinion on the Draft
0	Draft filed	JEONGJONG-HOON	E5(Senior Researcher)	2015-06-22 14:09:36	Multimedia Solut...	Patent application

						related to Bluetooth Audio Codec setting using pairing information
1	Approved	BaekCheolhoon	S3(Researcher)	2015-06-22 15:56:15	Multimedia Solut...	Approved

Management of Proceeding Date of Employee's Invention

Date of Draft Filing by Inventor	June 22, 2015	Date of Approval by Department Head	July 1, 2015	Date of Receipt by Patent Department	July 2, 2015
----------------------------------	---------------	-------------------------------------	--------------	--------------------------------------	--------------

PATENT
REEL: 049806 FRAME: 0788