

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4739320

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DO HYUN KIM	12/12/2017
CHANG HEE SONG	12/12/2017
RECEIVING PARTY DATA	
Name:	HANWHA TECHWIN CO., LTD.
Street Address:	1204, CHANGWON-DAERO, SEONGSAN-GU,GYEONGSANGNAM-DO
City:	CHANGWON-SI
State/Country:	KOREA, REPUBLIC OF
Postal Code:	51542
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15845152
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:	zamadou@sughrue.com, thundley@sughrue.com, sughrue@sughrue.com
Correspondent Name:	SUGHRUE MION, PLLC
Address Line 1:	2100 PENNSYLVANIA AVENUE, N.W.
Address Line 2:	SUITE 800
Address Line 4:	WASHINGTON, D.C. 20037
ATTORNEY DOCKET NUMBER:	Q236342
NAME OF SUBMITTER:	ZIRIATOU AMADOU, TEAMS DEPARTMENT
SIGNATURE:	/ziriadouamadou/
DATE SIGNED:	12/18/2017
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 2	
source=Q236342ExecutedDeclarationandAssignment#page1.tif	
source=Q236342ExecutedDeclarationandAssignment#page2.tif	

ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

Whereas, We, the undersigned inventors hereinafter called assignors, have invented certain improvements described in the application identified below; and

Whereas, Hanwha Techwin Co., Ltd. of 1204, Changwon-daero, Seongsan-gu, Changwon-si, Gyeongsangnam-do, 51542, Republic of Korea, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 USC 119 and the right to sue for past damages, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

(Legalization not required for recording but is prima facie evidence of execution under 35 USC 261)

As the below named inventor, I hereby declare that:

This assignment with declaration is The attached application, or directed to:
 United States Application or PCT International Application Number _____ filed on _____.

The application is entitled:

MEDIA PLAYBACK APPARATUS AND METHOD INCLUDING DELAY PREVENTION SYSTEM

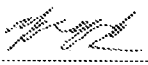
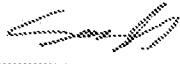
The above identified application was made or was authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application for which this assignment with declaration is being submitted.

I am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

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

NAME OF SOLE OR FIRST INVENTOR:	
Given Name (first and middle [if any])	Do Hyun
Family Name or Surname	KIM
Inventor's signature	
Date	2017, 12, 12
Residence: Chanwon-si, Republic of Korea	
Mailing Address: 1204, Changwon-daero, Seongsan-gu, Chanwon-si, Gyeongsangnam-do, 51542, Republic of Korea	
NAME OF SECOND INVENTOR:	
Given Name (first and middle [if any])	Chang Hee
Family Name or Surname	SONG
Inventor's signature	
Date	2017, 12, 12
Residence: Chanwon-si, Republic of Korea	
Mailing Address: 1204, Changwon-daero, Seongsan-gu, Chanwon-si, Gyeongsangnam-do, 51542, Republic of Korea	
NAME OF THIRD INVENTOR:	
Given Name (first and middle [if any])	Byung In
Family Name or Surname	SONG
Inventor's signature	
Date	
Residence: Chanwon-si, Republic of Korea	
Mailing Address: 1204, Changwon-daero, Seongsan-gu, Chanwon-si, Gyeongsangnam-do, 51542, Republic of Korea	