

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT		
EFFECTIVE DATE:	06/30/2016		
CONVEYING PARTY DATA			
Name			Execution Date
KABUSHIKI KAISHA TOSHIBA			10/27/2016
RECEIVING PARTY DATA			
Name:	TOSHIBA LIFESTYLE PRODUCTS & SERVICES CORPORATION		
Street Address:	25-1, EKIMAE-HONCHO		
City:	KAWASAKI-SHI, KANAGAWA		
State/Country:	JAPAN		
PROPERTY NUMBERS Total: 1			
Property Type	Number		
Application Number:	14184175		
CORRESPONDENCE DATA			
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NAME OF SUBMITTER:	WILLIAM W. SCHAAL, REG. NO. 39018		
SIGNATURE:	/WILLIAM W. SCHAAL/		
DATE SIGNED:	01/06/2017		
Total Attachments: 1			
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ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, **KABUSHIKI KAISHA TOSHIBA**, a corporation, having a principal place of business at 1-1, Shibaura 1-Chome, Minato-Ku, Tokyo, JAPAN ("Assignor"), does hereby sell, assign, and transfer to **TOSHIBA LIFESTYLE PRODUCTS & SERVICES CORPORATION** having an address of 25-1, Ekimae-honcho, Kawasaki-ku, Kawasaki-shi, Kanagawa, JAPAN ("Assignee"), and its successors, assigns, and legal representatives, the 50% (fifty percent) right, title, and interest, including the right of priority in and to, for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application(s) for the United States patent(s) listed below, *nunc pro tunc*, effective as of June 30, 2016 (the "Effective Date"):

<u>Application No.</u>	<u>Filing Date</u>	<u>Title</u>
14/184,175	02/19/2014	Television Receiver And Video Display Device
14/281,648	05/19/2014	Method, Electronic Device, And Computer Program Product

and in and to said application(s) and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application(s);

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned; and

intend that this Assignment be deemed effective as of the Effective Date.

Dated: October 27, 2016

KABUSHIKI KAISHA TOSHIBA

By: 

Name: Hideo KUMAGAI

Title: General Manager, Intellectual Property Division