

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	TOSHIBA LIFESTYLE PRODUCTS & SERVICES CORPORATION	06/30/2016
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	TOSHIBA VISUAL SOLUTIONS CORPORATION	
<b>Street Address:</b>	3-31-2776, MINAMI-CHO	
<b>City:</b>	MISAWA-SHI, AOMORI	
<b>State/Country:</b>	JAPAN	
<b>Postal Code:</b>	033-0036	
<b>PROPERTY NUMBERS Total: 5</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	15141702	
<b>Application Number:</b>	14603216	
<b>Application Number:</b>	14874827	
<b>Application Number:</b>	14923181	
<b>Application Number:</b>	14976175	
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<b>NAME OF SUBMITTER:</b>	KAZUO AOKI	
<b>SIGNATURE:</b>	/Kazuo Aoki/	
<b>DATE SIGNED:</b>	10/31/2016	
<b>Total Attachments: 2</b>		

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**PATENT**

**REEL: 040179 FRAME: 0085**

### ASSIGNMENT

WHEREAS, KABUSHIKI KAISHA TOSHIBA, having offices at 1-1, Shibaura 1-chome, Minato-Ku, Tokyo, Japan 105-8001; and TOSHIBA LIFESTYLE PRODUCTS & SERVICES CORPORATION, having offices at 25-1, Ekimae-honcho, Kawasaki-ku, Kawasaki-shi, Kanagawa, Japan 210-8543 (formerly having offices at 2-9, Suehiro-cho, Ome-shi, Tokyo, Japan 198-8710), are the co-owners of the entire right, title, and interest to certain new and useful improvements described in the United States Patent Applications listed below (hereinafter "Patent Assets"):

<u>Patent Application No.</u>	<u>Filing Date</u>	<u>Title</u>
15/141,702	April 28, 2016	VIDEO SENDER AND VIDEO RECEIVER
14/603,216	January 22, 2015	METHOD, ELECTRONIC DEVICE, AND COMPUTER PROGRAM PRODUCT
14/874,827	October 5, 2015	ELECTRONIC DEVICE, METHOD, AND COMPUTER PROGRAM PRODUCT
14/923,181	October 26, 2015	SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT
14/976,175	December 21, 2015	METHOD, ELECTRONIC DEVICE, AND COMPUTER PROGRAM PRODUCT

WHEREAS, TOSHIBA VISUAL SOLUTIONS CORPORATION (hereinafter "ASSIGNEE"), having offices at 3-31-2776, Minami-cho, Misawa-shi, Aomori, Japan 033-0036, desires to acquire that portion of the right, title, and interest in and to the said improvements and the said Patent Assets which is now held by TOSHIBA LIFESTYLE PRODUCTS & SERVICES CORPORATION (hereinafter "ASSIGNOR"), such that ASSIGNEE will take ASSIGNOR's place as co-owner with KABUSHIKI KAISHA TOSHIBA;

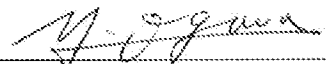
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby further acknowledges that it has sold, assigned, and transferred, and by these presents does hereby sell, assign, and transfer, unto ASSIGNEE, its successors, legal representatives, and assigns, ASSIGNOR's entire portion of the right, title, and interest throughout the world in, to, and under the said improvements, and the said Patent Assets and all Patents that may be granted thereon, and all provisional applications relating thereto, and all divisions, continuations, reissues, reexaminations, renewals, and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent that may hereafter be filed for said improvements or for the said Patent Assets in any country or countries foreign to the United States; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements and all Letters Patents resulting from the Patent Assets to ASSIGNEE, its successors, legal representatives, and assigns, in accordance with the terms of this Agreement.

ASSIGNOR does hereby sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns ASSIGNOR's entire portion of all claims for damages and remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of the said Patents before or after issuance;

ASSIGNOR hereby covenants and agrees that it will communicate to ASSIGNEE, its successors, legal representatives, and assigns any facts known to ASSIGNOR respecting the Patent Assets immediately upon becoming aware of those facts, and that it will testify in any legal proceeding involving any of the Patent Assets, will sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and will generally do everything possible to aid ASSIGNEE, its successors, legal representatives, and assigns to obtain and enforce the Patents in all countries.

**Assignor (Conveying Party)**

TOSHIBA LIFESTYLE PRODUCTS & SERVICES CORPORATION,  
25-1, Ekimae-honcho, Kawasaki-ku, Kawasaki-shi, Kanagawa, Japan  
210-8543

By:   
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Engineering Planning Dept.  
Date: June 30, 2016