09/28/2011

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PATENTS ONLY

Additional name(s) of conveying party(les) attached? Yes X No 3. Nature of conveyance/Execution Date(s): Execution Date(s): September 16, 2011 X Assignment Merger Change of Name Security Agreement Joint Research Agreement Government Interest Assignment Executive Order 9424, Confirmatory License Other 4. Application or patent number(s): A. Patent Application No.(s) This application Additional numbers attached? 5. Name and address to whom correspondence concerning document should be mailed: Name: Christopher M. Tobin RADER, FISHMAN & GRAUER PLLC Internal Address: Atty. Dkt.: SON-4903 Street Address: 1233 20th Street, N.W. Suite 501 Street Address: 1.7-1 Konan Miniato-Ku, Tokyo 1038-0075 JAPAN City: Additional name(s) & address(es) Yes X No 5. This document is being filed together with a new application B. Patent No.(s) B. Patent No.(s) 7. Total number of applications and patents involved: 1. Total fee (37 CFR 1.21(n) & 3.41) Enclosed None required (government interest not affecting None	1. Name of conveying party(ies):	2. Name and address of receiving party(les)
Additional name(s) of conveying party(les) attached? Yes X No 3. Nature of conveyance/Execution Date(s): Execution Date(s): September 16, 2011 X Assignment Merger Change of Name Security Agreement Joint Research Agreement Government Interest Assignment Executive Order 9424, Confirmatory License Other 4. Application or patent number(s): A Patent Application No.(s) This application Additional numbers attached? 5. Name and address to whom correspondence concerning document should be mailed: Name: Christopher M. Tobin RADER, FISHMAN & GRAUER PLLC Internal Address: Atty. Dkt.: SON-4903 Street Address: 1233 20th Street, N.W. Suite 501 State: DC Zip: 20036 Phone Number: (202) 955-3750 Fax Number: (202) 955-3751 Email Address: cmt@radeffishman.com Signature: September 21, 2011	Keita Kaifu	Name: Sony Corporation
Minato-Ku, Tokyo 108-0075 JAPAN Security Agreement	Additional name(s) of conveying party(ies) attached? Yes X No	
A. Patent Application No.(s) This application Additional numbers attached? Yes x No 5. Name and address to whom correspondence concerning document should be mailed: Name: Christopher M. Tobin RADER, FISHMAN & GRAUER PLLC Internal Address: Atty. Dkt.: SON-4903 Street Address: 1233 20th Street, N.W. Suite 501 City: Washington State: DC zip: 20036 Phone Number: (202) 955-3750 Fax Number: (202) 955-3751 Email Address: Cmt@raderfishman.com 9. Signature: September 21, 2011 897/29/2011 AMULLINS 800000291380013 13	Execution Date(s): September 16, 2011 X Assignment Merger Change of Name Security Agreement Joint Research Agreement Government Interest Assignment Executive Order 9424, Confirmatory License	Minato-Ku, Tokyo 108-0075 JAPAN City: State: Country: Additional name(s) & address(es) Yes X No
concerning document should be mailed: Name: Christopher M. Tobin RADER, FISHMAN & GRAUER PLLC Internal Address: Atty. Dkt.: SON-4903 Street Address: 1233 20th Street, N.W. Suite 501 City: Washington State: DC zip: 20036 Phone Number: (202) 955-3750 Fax Number: (202) 955-3751 Email Address: Cmt@radefishman.com 9. Signature: Signature: September 21, 2013 Signature: Patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged to deposit account X Authorized to be charged to deposit account B. Payment Information Deposit Account Number 18-0013 Christopher M. Tobin 2007/29/2011 AMULLINS 000000250180013 September 21, 2013	A. Patent Application No.(s) This application	B. Patent No.(s)
RADER, FISHMAN & GRAUER PLLC Internal Address: Atty. Dkt.: SON-4903 Street Address: 1233 20th Street, N.W. Suite 501 X	5. Name and address to whom correspondence concerning document should be mailed:	
Street Address: 1233 20th Street, N.W. Suite 501 X		7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
State: DC Zip: 20036	Street Address: 1233 20th Street, N.W.	
Phone Number: (202) 955-3750 Fax Number: (202) 955-3751 Email Address: cmt@rade fish man com 9. Signature: Signature: September 21, 201	City: Washington	8. Payment Information
Authorized User Name Christopher M. Tobir 9. Signature: September 21, 201 Signature 09/29/2011 AMULLINS 00000029180013 13	Phone Number: (202) 955-3750	
September 21, 2017 Signature 09/29/2011 AMULLINS 00000029*180013 13		Authorized User Name Christopher M. Tobin
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Christopher M. Tobin - 40,290 01 FCTobal number of pages including cover sheet, attachments; and documents:	Email Address: cmt@rade fishman com 9. Signature:	September 21, 2011

Attorney Docket No. 80001-4903 SONY Ref. No.: S11P1938US00

ASSIGNMENT

WHEREAS, I, as below named inventors, residing at the addresses stated next to our names, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in LIQUID CRYSTAL LIGHT ADJUSTING DEVICE AND IMAGING APPARATUS

for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

AND WHEREAS, SONY CORPORATION, a Japanese corporation, with offices at 1-7-1 Konan, Minato-ku, Tokyo, Japan (hereinafter referred to as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filling of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

And I hereby authorize and request my attorney(s) of record in this application to insert the serial number and filing date of this application	
he spaces that follow: Serial Number:	, Filing Date:
This assignment executed on the dates indicated below.	
KEITA KAIFU	·
Name of first or sole inventor TOKYO JAPAN	Execution date of U.S. Patent Application
Residence of First or sole inventor Kuta Karfu	2011.9.16
Signature of first or sole inventor	Date of this assignment
Name of second inventor	Execution date of U.S. Patent Application
Residence of second inventor	. 6
Signature of second inventor	Date of this assignment
	Execution date of U.S. Patent Application
Name of third inventor	Execution date of 0.3. Fatent Application
Residence of third inventor	
Signature of third inventor	Date of this assignment

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PATENT REEL: 027079 FRAME: 0914