504039157 10/06/2016 PATENT ASSIGNMENT COVER SHEET

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UBMISSION TYPE:		NEW ASSIGNMENT	
ATURE OF CONVEYA	NCE:	ASSIGNMENT	
CONVEYING PARTY D	ΑΤΑ		
		Name Execution	n Date
HIROAKI FUJII		09/18/2013	3
SATOSHI MUKOYAMA		09/18/2013	3
SOYA ARAKI		09/18/2013	}
HISANORI TSUBOI		10/03/2013	}
HIDETOMO MIYAKE		10/03/2013	3
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PATENT REEL: 039956 FRAME: 0967

Attorney Docket No. SONY Ref. Sp.:SP332030US01

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 fisted below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in DISPLAY

for which application for Letters Patent of the United States of America was executed by the 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 m. 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 dierefor 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 filing 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 Lotters Patent to said ASSIGNEE, as the assignce of the whole right, fille 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 logal 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 Uncreby 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 in

This assignment executed on the dates indicated below.

HIROAKI FUJII Name of first or sole inventor KANAGAWA, JAPAN Residence of First or sole inventor Niceski Fayic Signature of first or sole inventor

SATOSHI MUKOYAMA Name of second inventor TOKYO, JAPAN Residence of second inventor <u>Solevili Mulayana</u> Signature of second inventor

SOYA ARAKI Name of third inventor KANAGAWA, JAPAN Residence of third inventor Signature of third inventor Execution date of U.S. Patent Application

September 18, 2013 Date of this assignment

Execution date of U.S. Patent Application

Semptember 18. 2013 Date of this assignment

Execution date of U.S. Patent Application

Se <u>carbor</u> (J. 2013 Date of this assignment

PATENT REEL: 039956 FRAME: 0968

Attorney Docket No. SONY Ref. No.: SP332030US01

ADDITIONAL INVENTOR(S)

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Execution date of U.S. Patent Application

Det 3 . 2013 Date of this assignment

Execution date of U.S. Patent Application

Execution date of U.S. Patent Application

Execution date of U.S. Patent Application

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Date of this assignment

Date of this assignment

Name of sixth inventor

HIDETOMO MIYAKE

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Residence of seventh inventor

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Execution date of U.S. Patent Application

Date of this assignment

Execution date of U.S. Patent Application

Date of this assignment

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ralesta Tamanto	
Signature of sixth inventor	Date of this assignment
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Signature of seventh inventor	Date of this assignment
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Name of eighth inventor	Execution date of U.S. Patent Application
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Name of ninth inventor	Execution date of U.S. Patent Application
Residence of ninth inventor	
Signature of ninth inventor	Date of this assignment

PATENT REEL: 039956 FRAME: 0970

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