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United St	ates	Patent	and I	rade	emark	Office

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To the Director of the U.S. Patent a 1036040	documents or the new address(es) below.				
1. Name of conveying party(les)/Execution Date(s): KEN ONOGI (07/07/2010), KOICHI TASHIRO (07/07/2010), AND NAOYA OKAMOTO (07/16/2010)	2. Name and address of receiving party(les)				
	Name: SONY CORPORATION				
	Internal Address:				
Execution Date(s): in parentheses after inventor name	Street Address:				
Additional name(s) of conveying party(les) attached? Yes X No	1-7-1 Konan, Minato-ku				
3. Nature of Conveyance:	Tokyo 108-0075				
X Assignment Merger	JAPAN				
Security Agreement Change of Name	City:				
Government Interest Assignment	State:				
Executive Order 9424, Confirmatory License	Country: Zip:				
Other	Additional name(s) & address(es) Yes X No attached:				
4. Application or patent number(s):  A. Patent Application No.(s)	his document is being filed together with a new application.  B. Patent No.(s)				
Additional numbers attached?	Yes X No				
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:				
Name: Dennis M. Smid, Esq. LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00				
Internal Address: Atty. Dkt.: SONYJP 3.0-2287	Authorized to be charged by credit card				
Street Address: 600 South Avenue West	X Authorized to be charged to deposit account  Enclosed  None required (government interest not affecting title)				
City: Westfield	8. Payment Information				
State: NJ Zip: 07090	a. Credit Card 3/18   hast 4 Numbers 1818 1818 1818 1818 1818 1818				
Phone Number: (908) 518-6374	Expiration Date				
Fax Number: (908) 654-0415	b. Deposit Account Number 12-1095  Authorized User Name Dennis M. Smid, Esq.				
Email Address: dsmid@ldlkm.com	Additionage of the state of the				
9. Signature:	August 2, 2010				
Dennis M. Smid, Esq 34,930  Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:				

Afterney Docket No. SONYJP3.0-2287 SONY Ref. No.: \$10P1485US00

## 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 libelow) or a joint inventor (if plural names are listed below) of certain new and useful improvements in DISPLAY DEVICE AND DISPLAY METHOD

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 (hereing referred to as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in 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 sufficie 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 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 ther which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other internation 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 applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request Commissioner of Patents to Issue the said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interface.

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without fur remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of 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 application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Len 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 a application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and a 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 withis assignment and sale.

And I hereby authorize and request my attorney(s) of record in the spaces that follow: Serial Number:	his application to insert the serial number and filing date of this application Filing Date:			
This assignment executed on the dates indicated below.				
KEN ONOGI				
Name of first or sole inventor TOKYO JAPAN	Execution date of U.S. Patent Application			
Residence of First or sole inventor  Signature of first or sole inventor	Date of this assignment			
Signature of first or sole inventor	Date of this assignment			
KOICHI TASHIRO	CYLC P A A A Plication			
Name of second inventor TOKYO JAPAN	Execution date of U.S. Patent Application			
Residence of second inventor  Wichi Tashirs	July 7. 2010			
Signature of second inventor	Date of this assignment			
NAOYA OKAMOTO	Execution date of U.S. Patent Application			
Name of third inventor TOKYO JAPAN				
Residence of third inventor	Date of this assignment			
Signature of third inventor	Date of this assignment			

07/27/2010 TUE 01:00 [TX/RX NO 8623] [

PATENT REEL: 024832 FRAME: 0413

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