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## ORM COVER SHEET

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To the Director ortheropolic Patentiand Trademark Office: Please	e record the attached documents or the new address(es) below.
1. Name of conveying party(les):	2. Name and address of receiving party(ies)
Yuichiro Minami (07/25/2011), Masahiro Minegishi (07/25/2011), Koji Noguchi (07/25/2011), Koji	Name: Sony Corporation
Ishizaki (07/25/2011),	Internal Address:
Additional name(s) of conveying party(les) attached? X Yes No	Street Address:
3. Nature of conveyance/Execution Date(s):  Execution Date(s): in parentheses after inventor name  X Assignment Merger Change of Name  Security Agreement Joint Research Agreement	1-7-1 Konan Minato-Ku, Tokyo 108-0075 JAPAN City:
Government Interest Assignment	State:
Executive Order 9424, Confirmatory License	Country: Zip:
Other	Additional name(s) & address(es) Yes X No attached?
A. Patent Application No.(s)     This application     Additional numbers attached	B. Patent No.(s)
Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Christopher M. Tobin RADER, FISHMAN & GRAUER PLLC	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
Internal Address: Atty. Dkt.: SON-4876 Street Address: 1233 20th Street, N.W. Suite 501	Authorized to be charged to deposit account     Enclosed     None required (government interest not affecting title)
City: Washington	8. Payment Information
State: DC Zip: 20036	. [
Phone Number: (202) 955-3750	.
Fax Number: (202) 955-3751	Deposit Account Number 18-0013
Email Address: cmt@raderfshman.com	Authorized User Name Christopher M. Tobin
9. Signature:	08/16/2011 AMULLINS ASUGUSM8, ABOUT 13137334
Signature	01 FC:8821 40.09 DA Total number of pages including cover
Christopher M. Tobig - 40,290	Total number of pages including cover sheet, attachments, and documents:
Name of Person Signing	

**PATENT** 

REEL: 026782 FRAME: 0034

		FORM COVER SHEET (PTO upplemental sheet)	-1595)
Additional Conveyir	g Party(ies)/Exect	ution Date(s) (1. Continu	ed):
Yoshitoshi Kida (07/28/	2011), and Kohei Azu	mi (07/28/2011)	•
Additional Assignee	s (2. Continued):		
Assignee Name:			
Internal Address:	***	,	· .
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Internal Address:			,
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Assignee Name:			
Internal Address:			
Street Address:			
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Additional Application	ons and/or Patents	(4. Continued):	
Additional Patent Application	Numbers	Additional Patent Number	ers
4A. Continued:	•	4B. Continued:	
			•
•		,	
	Additional numbers	attached? Yes	No
•	Maditional Highlings	4	1,

Docket No.: SON-4876

## 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 DISPLAY DEVICE WITH TOUCH DETECTION FUNCTION AND ELECTRONIC UNIT

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 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 Letters Patent to said ASSIGNEE, as the assignce 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 the spaces that follow: Serial Number:		eation to insert the serial number and filing date of this application and Date:
This assignment executed on the dates indicated below.		
YUICHIRO MINAMI		
Name of first or sole inventor KANAGAWA JAPAN	<del>-</del> -	Execution date of U.S. Patent Application
Residence of First or sole inventor  Yuichiro Minami		July 25. 2011
Signature of first or sole inventor		Date of this assignment
MASAHIRO MINEGISHI		. '
Name of second inventor KANAGAWA JAPAN	-	Execution date of U.S. Patent Application
Residence of second inventor  Signature of second inventor	_	Date of this assignment
KOJI NOGUCHI		
Name of third inventor KANAGAWA JAPAN	- . (3)	Execution date of U.S. Patent Application
Residence of third inventor  Signature of third inventor	<b>\</b>	July 26, 20%

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## ADDITIONAL INVENTOR(S)

KOJI ISHIZAKI	,
Name of fourth inventor	Execution date of U.S. Patent Application
TOKYO JAPAN	
Residence of fourth inventor	1
Signature of fourth inventor	Date of this assignment
Signature of fourth inventor	Date of this assignment
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	•
YOSHITOSHI KIDA	•
Name of fifth inventor	Execution date of U.S. Patent Application
KANAGAWA JAPAN	
Residence of fifth inventor	
yeshitali Throles	July 25 20// Date of this assignment
Signature of fifth inventor	Date of this assignment
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KOHEI AZUMI	
Name of sixth inventor	Execution date of U.S. Patent Application
TOKYO JAPAN	Enounce date of old, fatour repulsion
Residence of sixth inventor	***************************************
Hohei azumi	K T. L 28 2011
Signature of sixth inventor	X July 28, 2011 Date of this assignment
	Date of this assignment
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Name of seventh inventor	Execution date of U.S. Patent Application
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Name of eighth inventor	Transition data affile Data A A Line
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Signature of eighth inventor  Name of ninth inventor	
Signature of eighth inventor	
Name of ninth inventor  Residence of ninth inventor	Execution date of U.S. Patent Application
Signature of eighth inventor  Name of ninth inventor	

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