

PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Naoki HASEGAWA	08/27/2009
Yoshinori OTA	08/27/2009
Kaoru KAMIYAMA	08/27/2009
Masanobu KIMOTO	08/27/2009
Hiroshige HAYAKAWA	08/27/2009
Hideyuki YOSHIMURA	08/27/2009
Masayuki MIYAMOTO	08/27/2009
Takeshi ONO	08/27/2009
Atsuro HIRAKAWA	08/28/2009
Mari SASAKI	09/02/2009
Akihiro SHIRONOUCHI	08/28/2009
Kazuya SHIMOMURA	08/28/2009
Yuji ANAMI	08/28/2009
Masato HIROSE	09/02/2009

RECEIVING PARTY DATA

Name:	SONY CORPORATION
Street Address:	1-7-1 Konan, Minato-ku
City:	Tokyo
State/Country:	Japan
Postal Code:	108-0075

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12561538

CORRESPONDENCE DATA

Fax Number: (703)413-2220

500965555

PATENT  
REEL: 023248 FRAME: 0575

OP \$40.00 12561538

*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*

Phone: (703) 413-3000  
Email: mamossa@oblon.com  
Correspondent Name: Oblon, Spivak, et al.  
Address Line 1: 1940 Duke Street  
Address Line 4: Alexandria, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	348208US8
-------------------------	-----------

NAME OF SUBMITTER:	Meselech Amossa
--------------------	-----------------

Total Attachments: 3 source=348208USASSIGNMENT#page1.tif source=348208USASSIGNMENT#page2.tif source=348208USASSIGNMENT#page3.tif
---

**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 AND RADIO TRANSMISSION CONTROL 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** (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 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 in the spaces that follow: Serial Number: \_\_\_\_\_, Filing Date: \_\_\_\_\_.

This assignment executed on the dates indicated below.

NAOKI HASEGAWA

Name of first or sole inventor

KANAGAWA JAPAN

Residence of first or sole inventor

Naoki Hasegawa  
Signature of first or sole inventor

August 27, 2009  
Execution date of U.S. Patent Application

August 27, 2009  
Date of this assignment

YOSHINORI OTA

Name of second inventor

KANAGAWA JAPAN

Residence of second inventor

Yoshinori Ota  
Signature of second inventor

Aug 27th '09  
Execution date of U.S. Patent Application

Aug 27th '09  
Date of this assignment

KAORU KAMIYAMA

Name of third inventor

TOKYO JAPAN

Residence of third inventor

Kaoru Kamiyama  
Signature of third inventor

Aug 27 '09  
Execution date of U.S. Patent Application

Aug 27 '09  
Date of this assignment

**ADDITIONAL INVENTOR(S)**

MASANOBU KIMOTO

Name of fourth inventor

KANAGAWA JAPAN

Residence of fourth inventor

M. Kimoto  
Signature of fourth inventor

8/27/09

Execution date of U.S. Patent Application

8/27/09

Date of this assignment

HIROSHIGE HAYAKAWA

Name of fifth inventor

KANAGAWA JAPAN

Residence of fifth inventor

Hiroshige Hayakawa  
Signature of fifth inventor

Aug 27 '09

Execution date of U.S. Patent Application

Aug 27 '09

Date of this assignment

HIIDEYUKI YOSHIMURA

Name of sixth inventor

TOKYO JAPAN

Residence of sixth inventor

Hideyuki Yoshimura  
Signature of sixth inventor

Aug. 27. 09'

Execution date of U.S. Patent Application

Aug. 27. 09'

Date of this assignment

MASAYUKI MIYAMOTO

Name of seventh inventor

SAITAMA JAPAN

Residence of seventh inventor

Masayuki Miyamoto  
Signature of seventh inventor

Aug. 27. 09

Execution date of U.S. Patent Application

Aug. 27. 09

Date of this assignment

TAKESHI ONO

Name of eighth inventor

SAITAMA JAPAN

Residence of eighth inventor

Takeshi Ono  
Signature of eighth inventor

Aug. 27. 09

Execution date of U.S. Patent Application

Aug. 27. 09

Date of this assignment

ATSURO HIRAKAWA

Name of ninth inventor

TOKYO JAPAN

Residence of ninth inventor

Atsuro Hirakawa  
Signature of ninth inventor

Aug. 28 '09

Execution date of U.S. Patent Application

Aug. 28 '09

Date of this assignment

ADDITIONAL INVENTOR(S)

MARI SASAKI

Name of tenth inventor

AICHI JAPAN

Residence of tenth inventor

Mari Sasaki  
Signature of tenth inventor

9 / 2 / 2009

Execution date of U.S. Patent Application

9 / 2 / 2009

Date of this assignment

AKIHIRO SHIRONOUCHI

Name of eleventh inventor

CHIBA JAPAN

Residence of eleventh inventor

Akihiro Shironouchi  
Signature of eleventh inventor

Aug. 28, '09

Execution date of U.S. Patent Application

Aug. 28, '09

Date of this assignment

KAZUYA SHIMOMURA

Name of twelfth inventor

TOKYO JAPAN

Residence of twelfth inventor

Kazuya Shimomura  
Signature of twelfth inventor

Aug 28, 2009

Execution date of U.S. Patent Application

Aug 28, 2009

Date of this assignment

YUJI ANAMI

Name of thirteen inventor

KANAGAWA JAPAN

Residence of thirteen inventor

Yuji Anami  
Signature of thirteen inventor

Aug 28, '09

Execution date of U.S. Patent Application

Aug. 28, '09

Date of this assignment

MASATO HIROSE

Name of fourteen inventor

AICHI JAPAN

Residence of fourteen inventor

Masato Hirose  
Signature of fourteen inventor

9 / 2 / 2009

Execution date of U.S. Patent Application

9 / 2 / 2009

Date of this assignment

Name of fifteen inventor

Execution date of U.S. Patent Application

Residence of fifteen inventor

Signature of fifteen inventor

Date of this assignment