

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Tomohiko OKADA</td><td>08/05/2011</td></tr><tr><td>Hideo MAEDA</td><td>08/05/2011</td></tr><tr><td>Tetsushi ITO</td><td>08/05/2011</td></tr><tr><td>Hirotooshi IEMURA</td><td>08/05/2011</td></tr><tr><td>Kenji TANAKA</td><td>08/05/2011</td></tr></tbody></table>	Name	Execution Date	Tomohiko OKADA	08/05/2011	Hideo MAEDA	08/05/2011	Tetsushi ITO	08/05/2011	Hirotooshi IEMURA	08/05/2011	Kenji TANAKA	08/05/2011	
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RECEIVING PARTY DATA													
Name:	SHARP KABUSHIKI KAISHA												
Street Address:	22-22, Nagaike-cho, Abeno-ku, Osaka-shi												
City:	Osaka												
State/Country:	JAPAN												
Postal Code:	545-8522												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13208028</td></tr></tbody></table>	Property Type	Number	Application Number:	13208028									
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CORRESPONDENCE DATA													
Fax Number: (216)621-6165 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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NAME OF SUBMITTER:	Mark D. Saralino												
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PATENT
REEL: 026747 FRAME: 0176

5-246/118 01011/05 1/2

Docket No.

ASSIGNMENT

WHEREAS, the ASSIGNOR(S), being the following named inventor(s):

Inventor name and address (1) Tomohiko OKADA
c/o Sharp Kabushiki Kaisha, 22-22,
Nagaike-cho, Abeno-ku, Osaka-shi,
Osaka 545-8522 Japan

(2) Hideo MAEDA
c/o Sharp Kabushiki Kaisha, 22-22,
Nagaike-cho, Abeno-ku, Osaka-shi,
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(3) Tetsushi ITO
c/o Sharp Kabushiki Kaisha, 22-22,
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(4) Hirotoshi IEMURA
c/o Sharp Kabushiki Kaisha, 22-22,
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Osaka 545-8522 Japan

(5) Kenji TANAKA
c/o Sharp Kabushiki Kaisha, 22-22,
Nagaike-cho, Abeno-ku, Osaka-shi,
Osaka 545-8522 Japan

are inventor(s) of and owner(s) of rights to a certain invention entitled:

For: DISPLAY APPARATUS
U.S. Application No. 13/208,028
Filing Date: August 11, 2011

for which application for Letters Patent of the United States was executed on the date indicated below, and

WHEREAS, the ASSIGNEE:

SHARP KABUSHIKI KAISHA
22-22, Nagaike-cho, Abeno-ku, Osaka-shi,
Osaka 545-8522 Japan

is desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be obtained therefor.

Docket No.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR(S) of the sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR(S) hereby covenants that no assignment, sale, agreement, charge or other encumbrance has been or will be entered into which would conflict with this assignment and sale.

ASSIGNOR(S) further covenants 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 as may be known and accessible to ASSIGNOR(S) and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or his legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

Signed:

Date:

Tomohiko Okada
Inventor name Tomohiko OKADA

August 5, 2011

Hideo Maeda
Inventor name Hideo MAEDA

August 5, 2011

Tetsushi Ito
Inventor name Tetsushi ITO

August 5, 2011

Hirotoishi Iemura
Inventor name Hirotoishi IEMURA

August 5, 2011

Kenji Tanaka
Inventor name Kenji TANAKA

August 5, 2011