

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>Masahiro YOSHIDA</td><td>06/16/2011</td></tr><tr><td>Satoshi HORIUCHI</td><td>06/16/2011</td></tr><tr><td>Takaharu YAMADA</td><td>06/16/2011</td></tr><tr><td>Yuhko HISADA</td><td>06/17/2011</td></tr><tr><td>Ryohki ITOH</td><td>06/17/2011</td></tr></tbody></table>		Name	Execution Date	Masahiro YOSHIDA	06/16/2011	Satoshi HORIUCHI	06/16/2011	Takaharu YAMADA	06/16/2011	Yuhko HISADA	06/17/2011	Ryohki ITOH	06/17/2011
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<table border="1"><tr><td>Name:</td><td>SHARP KABUSHIKI KAISHA</td></tr><tr><td>Street Address:</td><td>22-22, Nagaike-cho, Abeno-ku, Osaka-shi</td></tr><tr><td>City:</td><td>Osaka</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr><tr><td>Postal Code:</td><td>545-8522</td></tr></table>		Name:	SHARP KABUSHIKI KAISHA	Street Address:	22-22, Nagaike-cho, Abeno-ku, Osaka-shi	City:	Osaka	State/Country:	JAPAN	Postal Code:	545-8522		
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PROPERTY NUMBERS Total: 1													
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Application Number:	13145757												
CORRESPONDENCE DATA													
Fax Number: (703)816-4100 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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NAME OF SUBMITTER:	H. Warren Burnam, Jr.												
Total Attachments: 2 source=EXECUTED_ASSIGNMENT#page1.tif source=EXECUTED_ASSIGNMENT#page2.tif													

OP \$40.00 13145757

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PATENT
REEL: 026631 FRAME: 0140

ASSIGNMENT OF PATENT APPLICATION

(Inventors) Masahiro YOSHIDA
Satoshi HORIUCHI
Takaharu YAMADA
Yuhko HISADA
Ryohki ITOH

(Assignee) In consideration of the sum of one dollar (\$1.00) and other good and valuable
(Address) considerations paid to each of the undersigned, the undersigned agree(s) to assign, and
hereby does assign, transfer and set over to
SHARP KABUSHIKI KAISHA
of 22-22 Nagaike-cho Abeno-ku Osaka-shi Osaka 545-8522 Japan,
(hereinafter designated as the Assignee) the undersigned's entire right, title and interest
for the United States, its territories, dependencies and possessions, and for the country of
(Other in the invention, and all application(s) for patent and any Letters Patent which may
Countries) be granted therefor, known as
(Title) ARRAY SUBSTRATE, LIQUID CRYSTAL DISPLAY DEVICE, ELECTRONIC DEVICE
(Case No. -)
for which the undersigned has (have) executed on even date herewith an application for
patent in the United States of America or, if not on even date, then has executed
on or has already filed in
U.S. appln. Serial No. filed on
The undersigned acknowledges an obligation of assignment of this invention to said
assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the
application or any interference which may be declared and any continuing or divisional applications
thereof and also to execute separate assignments in connection with such applications as the Assignee
may deem necessary or expedient and further to perform any act which may be necessary in connection
with claims or provisions of the International Convention for Protection of Industrial Property or similar
agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a
grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any
and all Letters Patent of the United States resulting from said application or any division or divisions or
continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby
covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has
(they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on
this assignment any further identification which may be necessary or desirable in order to comply with the
rules of the United States Patent Office for recordation of this document. It is understood and agreed that
ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to
represent only ASSIGNEE with respect to this invention.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned
signature(s).

Date <u>June 16, 2011</u>	Signature of inventor	<u>Masahito Yoshida</u> Masahito YOSHIDA
Date <u>June 16, 2011</u>	Signature of inventor	<u>Satoshi Horiochi</u> Satoshi HORIUCHI
Date <u>June 16, 2011</u>	Signature of inventor	<u>Takaharu Yamada</u> Takaharu YAMADA
Date <u>June 17, 2011</u>	Signature of inventor	<u>Yuhko Hisada</u> Yuhko HISADA
Date <u>June 17, 2011</u>	Signature of inventor	<u>Ryohki Itoh</u> Ryohki ITOH
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