

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Mitsuhiro MURATA	10/22/2010
Shoichi ISHIHARA	10/27/2010
Shuichi KOZAKI	10/31/2010
Takehisa SAKURAI	10/22/2010
Tadashi OHTAKE	10/22/2010
Masako NAKAMURA	10/22/2010
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	
Property Type	Number
Application Number:	12995541
CORRESPONDENCE DATA	
Fax Number:	(703)816-4100
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	703-816-4000
Email:	cmg@nixonvan.com
Correspondent Name:	NIXON & VANDERHYE, PC
Address Line 1:	901 NORTH GLEBE ROAD, 11TH FLOOR
Address Line 4:	ARLINGTON, VIRGINIA 22203
ATTORNEY DOCKET NUMBER:	1035-1035
NAME OF SUBMITTER:	H. Warren Burnam, Jr.

OP \$40.00 12995541

501365433

PATENT
REEL: 025414 FRAME: 0924

Total Attachments: 2

source=EXECUTED_ASSIGNMENT#page1.tif

source=EXECUTED_ASSIGNMENT#page2.tif

ASSIGNMENT OF PATENT APPLICATION

(Inventors) Mitsuhiro MURATA
Shoichi ISHIHARA
Shuichi KOZAKI
Takehisa SAKURAI
Tadashi OHTAKE
Masako NAKAMURA

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee) SHARP KABUSHIKI KAISHA
(Address) 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 Countries) in the invention, and all application(s) for patent and any Letters Patent which may be granted therefor, known as
(Title) LIQUID CRYSTAL PANEL AND LIQUID CRYSTAL DISPLAY 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. appin. 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>October 22, 2010</u>	Signature of inventor	<u>Mitsuhiro Murata</u> Mitsuhiro MURATA
Date	<u>October 27, 2010</u>	Signature of inventor	<u>Shoichi Ishihara</u> Shoichi ISHIHARA
Date	<u>October 31, 2010</u>	Signature of inventor	<u>Shuichi Kozaki</u> Shuichi KOZAKI
Date	<u>October 22, 2010</u>	Signature of inventor	<u>Takehisa Sakurai</u> Takehisa SAKURAI
Date	<u>October 22, 2010</u>	Signature of inventor	<u>Tadashi Ohtake</u> Tadashi OHTAKE
Date	<u>October 22, 2010</u>	Signature of inventor	<u>Masako Nakamura</u> Masako NAKAMURA
Date	_____	Signature of inventor	_____
Date	_____	Signature of inventor	_____
Date	_____	Signature of inventor	_____
Date	_____	Signature of inventor	_____
Date	_____	Signature of inventor	_____
Date	_____	Signature of inventor	_____
Date	_____	Signature of inventor	_____
Date	_____	Signature of inventor	_____
Date	_____	Signature of inventor	_____
Date	_____	Signature of inventor	_____