

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Yoshito HASHIMOTO	09/14/2010
Hiroyuki OHGAMI	09/17/2010
Masayuki SOGA	09/28/2010
Masakazu SHIBASAKI	09/15/2010
Masumi KUBO	09/15/2010
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12989570
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Total Attachments: 2
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ASSIGNMENT OF PATENT APPLICATION

(Inventors) Yoshito HASHIMOTO
Hiroyuki OHGAMI
Masayuki SOGA
Masakazu SHIBASAKI
Masumi KUBO

(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, Nagaïke-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan

(Title) (hereinafter designated as the Assignee) the undersigned's entire right, title and
interest for the United States, its territories, dependencies and possessions in the
invention, and all applications for patent and any Letters Patent which may be granted
therefor, known as
LIQUID CRYSTAL DISPLAY DEVICE
(Case No. 4034-)

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>September 14, 2010</u>	Signature of inventor	(<u>Yoshito Hashimoto</u> Yoshito HASHIMOTO
Date	<u>September 17, 2010</u>	Signature of inventor	(<u>Hiroyuki Ohgami</u> Hiroyuki OHGAMI
Date	<u>September 28, 2010</u>	Signature of inventor	(<u>Masayuki Soga</u> Masayuki SOGA
Date	<u>Sep 15, 2010</u>	Signature of inventor	(<u>Masakazu Shibasaki</u> Masakazu SHIBASAKI
Date	<u>September 15, 2010</u>	Signature of inventor	(<u>Masumi Kubo</u> Masumi KUBO
Date	_____	Signature of inventor	(_____
Date	_____	Signature of inventor	(_____
Date	_____	Signature of inventor	(_____

Witnessed by: _____

Date _____

Witnessed by: _____

Date _____