

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>In-Ho AHN</td><td>12/17/2008</td></tr><tr><td>Dae-San LIM</td><td>12/22/2008</td></tr><tr><td>Jong-Seong CHOI</td><td>12/17/2008</td></tr><tr><td>Hyung-Uk JANG</td><td>12/17/2008</td></tr><tr><td>Sang-Rae LEE</td><td>12/17/2008</td></tr><tr><td>Sang-Hyuck BAE</td><td>12/17/2008</td></tr><tr><td>Byung-Chun YU</td><td>12/17/2008</td></tr></tbody></table>	Name	Execution Date	In-Ho AHN	12/17/2008	Dae-San LIM	12/22/2008	Jong-Seong CHOI	12/17/2008	Hyung-Uk JANG	12/17/2008	Sang-Rae LEE	12/17/2008	Sang-Hyuck BAE	12/17/2008	Byung-Chun YU	12/17/2008	
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Sang-Hyuck BAE	12/17/2008																
Byung-Chun YU	12/17/2008																
RECEIVING PARTY DATA																	
Name:	LG Display Co., Ltd.																
Street Address:	20, Yoido-dong, Youngdungpo-gu																
City:	Seoul																
State/Country:	REPUBLIC OF KOREA																
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>12343131</td></tr></tbody></table>	Property Type	Number	Application Number:	12343131													
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CORRESPONDENCE DATA																	
Fax Number:	(703)205-8050																
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ATTORNEY DOCKET NUMBER:	0630-3629PUS1																
NAME OF SUBMITTER:	Esther H. Chong																

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Total Attachments: 4

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PATENT

REEL: 022038 FRAME: 0090

BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

Application No. 12/343,131 Filed 12/23/08

Insert Name(s)
of Inventor(s) *****[Given Name FAMILY NAME (ALL CAPS)]*****

WHEREAS, In-Ho AHN; Dae-San LIM; Jong-Seong Choi; Hyung-Uk JANG;
Sang-Rae LEE; Sang-Hyuck BAE; and Byung-Chun YU (hereinafter designated as the
undersigned) has.(have) invented certain new and useful improvements in:

Insert Title
of Invention

**LIQUID CRYSTAL DISPLAY TO WHICH INFRARED RAYS SOURCE IS
APPLIED AND MULTI-TOUCH SYSTEM USING THE SAME**

for which an application for Letters Patent of the United States of America has been executed by the
undersigned (except in the case of a provisional application)

Insert Date
of Signing of
Application

on 12/17/08, 12/17/08, 12/17/08, 12/17/08, 12/17/08, 12/17/08, 12/22/08; and

Insert Name
of Assignee
Insert Address
of Assignee

WHEREAS, LG Display Co., Ltd.

of 20, Yoido-dong, Youngdungpo-gu, Seoul, REPUBLIC OF KOREA

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is
desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters
Patent(s) that may be granted therefor in the United States of America and
☒ in any foreign countries.

CHECK BOX
IF APPROPRIATE

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand
paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the
undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and
transfer unto said Assignee the full and exclusive right to the said invention in the United States of
America, its territories, dependencies and possessions and the entire right, title and interest in and to
any and all Letters Patent(s) which may be granted therefor in the United States of America, its
territories, dependencies and possessions, and if the box above is designated, in any and all foreign
countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full
term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the 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 of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the 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 law firm of Birch, Stewart, Kolasch & Birch, LLP 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 U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

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

Date <u>17/12/2008</u>	Name of Inventor <u>In-ho, Ahn</u> (signature) In-Ho AHN
Date _____	Name of Inventor _____ (signature) Dae-San LIM
Date <u>17/12/2008</u>	Name of Inventor <u>Jong-Seong Choi</u> (signature) Jong-Seong CHOI
Date <u>17/12/2008</u>	Name of Inventor <u>Hyung-Uk Jang</u> (signature) Hyung-Uk JANG
Date <u>17/12/2008</u>	Name of Inventor <u>Sang-Rae Lee</u> (signature) Sang-Rae LEE
Date <u>17/12/2008</u>	Name of Inventor <u>Sang-Hyuck BAE</u> (signature) Sang-Hyuck BAE
Date <u>17/12/2008</u>	Name of Inventor <u>Byung-Chun YU</u> (signature) Byung-Chun YU

BIRCH, STEWART, KOLASCH & BIRCH, LLP

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on 12/17/08, 12/17/08, 12/17/08, 12/17/08, 12/17/08, 12/17/08, 12/22/08; and

WHEREAS, LG Display Co., Ltd.

of 20, Yoido-dong, Youngdungpo-gu, Seoul, REPUBLIC OF KOREA

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

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☒ In any foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

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

Date _____,	Name of Inventor _____ (signature) In-Ho AHN
Date <u>Dec. 22, 2008</u> ,	Name of Inventor <u><i>Dae-San LIM</i></u> (signature) Dae-San LIM
Date _____,	Name of Inventor _____ (signature) Jong-Seong CHOI
Date _____,	Name of Inventor _____ (signature) Hyung-Guk JANG
Date _____,	Name of Inventor _____ (signature) Sang-Rae LEE
Date _____,	Name of Inventor _____ (signature) Sang-Hyuck BAE
Date _____,	Name of Inventor _____ (signature) Byung-Chun YU