PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT
NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
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<tbody>
<tr>
<td>Bo-Kyoung Ahn</td>
<td>04/08/2010</td>
</tr>
<tr>
<td>Gug-Rae Jo</td>
<td>04/14/2010</td>
</tr>
<tr>
<td>Hong-Suk Yoo</td>
<td>04/08/2010</td>
</tr>
<tr>
<td>Chang-Hoon Kim</td>
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</tr>
<tr>
<td>Min-Uk Kim</td>
<td>04/14/2010</td>
</tr>
<tr>
<td>Joo-Han Bae</td>
<td>04/14/2010</td>
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RECEIVING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Samsung Electronics Co., Ltd</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Address</td>
<td>416, Maetan-dong, Yeongtong-gu</td>
</tr>
<tr>
<td>City</td>
<td>Suwon-si, Gyeonggi-do</td>
</tr>
<tr>
<td>State/Country</td>
<td>REPUBLIC OF KOREA</td>
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PROPERTY NUMBERS Total: 1

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<tr>
<th>Property Type</th>
<th>Number</th>
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<tbody>
<tr>
<td>Application Number</td>
<td>12778574</td>
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CORRESPONDENCE DATA

Fax Number: (516)692-8889
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 516-692-8888
Email: rodriguez@chaupilaw.com
Correspondent Name: F. CHAU & ASSOCIATES, LLC
Address Line 1: 130 WOODBURY ROAD
Address Line 4: WOODBURY, NEW YORK 11797

ATTORNEY DOCKET NUMBER: 8054L-610 (LX6070US/OH)

NAME OF SUBMITTER: Nathaniel T. Wallace
ASSIGNMENT

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that:
IN CONSIDERATION of the sum of TEN ($10.00) dollars or the equivalent thereof, and other
good and valuable consideration, the receipt of which from the hereinafter named Assignee is
hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

ASSIGNEE: Samsung Electronics Co., Ltd
ADDRESS: 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, KOREA

Who is my Assignee, and to the successes and assigns of my Assignee, all my right, title
and interest, in and for the United States of America and all other countries, including all rights of
priority, in and to the invention entitled:

TITLE: METHOD OF EXPOSING SUBSTRATE, APPARATUS FOR PERFORMING THE
SAME, AND METHOD OF MANUFACTURING DISPLAY SUBSTRATE USING THE SAME

invented by me (if only one inventor is named below) or us (if more than one inventor is named
below) and described in an application for a United States patent the specification of which is
either attached hereto or otherwise accompanies this Assignment or indicates an attorney
docket no. 80541-610(LX6070US), or is more particularly identified as:

☐ executed on even date herewith, or
☐ Serial No. _____________, filed in the U.S. Patent & Trademark Office on _____________, or
☐ executed on ____________________________

and in and to all United States patents which may be granted thereon and therefore, and in and
to all certificates of corrections, divisions, continuations, continuations-in-part, reissued and re-
examined patents, and to any extensions thereof, said interest being the entire ownership of the
patent when granted, to be held and enjoyed by said SAMSUNG ELECTRONICS CO., LTD., my
Assignee, its successors, assigns or other legal representatives, to the full end of the term,
terms, or any extension or renewal thereof, for which said patent or patents may be granted, as
fully and entirely as the same would have been held and enjoyed by me or us if this assignment,
sale and conveyance had not been made;

AND I hereby covenant and agree to sign and execute any further documents or
instruments which may from time-to-time be either necessary, lawful, proper or requested by the
Assignee, in the prosecution of the above-named application or in the preparation and
prosecution of any certificate of correction, division, continuation, continuation-in-part, reissue,
re-examination, in any amendment, extension, or interference proceeding, whether
administrative or judicial, or otherwise, to secure the title hereto in said Assignee;

AND I do hereby authorize and request the Commissioner of Patents and Trademarks to
issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and
authorize and request Frank Chau, Reg. No. 34,136, to insert on this Assignment any further
identification or to complete such identification which may be either necessary or desirable in
order to comply with the rules of the United States Patent and Trademark Office for recordation
of this document.
IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

<table>
<thead>
<tr>
<th>INVENTOR(S)</th>
<th>Date Signed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bo-Kyoung AHN</td>
<td>10.04.09</td>
</tr>
<tr>
<td>Gug-Rae JO</td>
<td>10.04.14</td>
</tr>
<tr>
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