

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>Jong-Hyun CHOUNG</td> <td>12/12/2012</td> </tr> <tr> <td>In-Bae KIM</td> <td>12/12/2012</td> </tr> <tr> <td>Seon-II KIM</td> <td>12/12/2012</td> </tr> <tr> <td>Hong Sick PARK</td> <td>12/12/2012</td> </tr> <tr> <td>Jae Woo JEONG</td> <td>12/12/2012</td> </tr> <tr> <td>Gyu-Po KIM</td> <td>11/21/2012</td> </tr> <tr> <td>Won-Guk SEO</td> <td>11/21/2012</td> </tr> <tr> <td>Hyun-Cheol SHIN</td> <td>11/28/2012</td> </tr> <tr> <td>Ki-Beom LEE</td> <td>11/21/2012</td> </tr> <tr> <td>Sam-Young CHO</td> <td>11/21/2012</td> </tr> <tr> <td>Seung-Yeon HAN</td> <td>11/21/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jong-Hyun CHOUNG	12/12/2012	In-Bae KIM	12/12/2012	Seon-II KIM	12/12/2012	Hong Sick PARK	12/12/2012	Jae Woo JEONG	12/12/2012	Gyu-Po KIM	11/21/2012	Won-Guk SEO	11/21/2012	Hyun-Cheol SHIN	11/28/2012	Ki-Beom LEE	11/21/2012	Sam-Young CHO	11/21/2012	Seung-Yeon HAN	11/21/2012
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<table border="1"> <tr> <td>Name:</td> <td>Samsung Display Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>95, Samsung 2 Ro, Giheung-Gu</td> </tr> <tr> <td>Internal Address:</td> <td>Gyeonggi-Do</td> </tr> <tr> <td>City:</td> <td>Yongin-City</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> </table>		Name:	Samsung Display Co., Ltd.	Street Address:	95, Samsung 2 Ro, Giheung-Gu	Internal Address:	Gyeonggi-Do	City:	Yongin-City	State/Country:	KOREA, REPUBLIC OF														
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CORRESPONDENCE DATA																									
Fax Number:	7032885139																								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																									
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Email:	patent@park-law.com																								
Correspondent Name:	H.C. PARK & ASSOCIATES, PLC																								

OP \$40.00 13728463

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Address Line 4: RESTON, VIRGINIA 20191

ATTORNEY DOCKET NUMBER: P5038US00

NAME OF SUBMITTER: Hae-Chan Park

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 10

source=P5038US00 Assignment serving as Declaration#page1.tif
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ASSIGNMENT SERVING AS DECLARATION PER 37 C.F.R. § 1.63(e)

As a below named inventor and Assignor, I declare that:

This assignment and declaration are directed to:

The attached application entitled **METAL WIRE ETCHANT AND METHOD OF FORMING METAL WIRE USING THE SAME** having attorney docket number P5038US00 ("Application"), which claims priority from: Korean Patent Application No. 10-2012-0072295, filed July 3, 2012.

As amended on _____ (if applicable);

The above-identified Application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the Application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

Whereas, Assignor has invented certain new and useful processes, machines, articles of manufacture, compositions of matter, and/or improvements thereof ("Invention") disclosed in the Application,

Whereas, Assignor desires to convey all rights, titles, and interests in and to the same to:

Samsung Display Co., Ltd.
95, Samsung 2 Ro, Giheung-gu
Yongin-city, Gyeonggi-do
Republic of Korea

Samsung Display Co., Ltd. herein further referred to as ("Assignee").

Now, for valuable consideration by Assignee to Assignor, the receipt of which is hereby acknowledged, and for other good and valuable consideration, Assignee and Assignor hereby agree as follows:

Assignor hereby conveys, assigns, sells and transfers to Assignee all rights, title and interests in and to the Invention disclosed in said application and in and to any Letters Patent of the United States (US), any continuation, division, renewal, or substitute thereof, and hereby grant to Assignee the right to apply in its own name for patents or Inventor's certificates and related rights heretofore or hereafter filed for the Invention in any and all countries, including (without limitation) all rights to claim priority based thereon, all patents granted thereon and all reissues, extensions and renewals thereof.



HC Park & Associates, PLC

COUNSELORS AT LAW

Docket No. P5038US00

Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor further covenants that Assignee will, upon Assignee's request, be provided promptly with all pertinent facts and documents relating to the Invention, Patent, Application and any patents granted thereon, as may be known and accessible to Assignor, and Assignor will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to Assignee or Assignee's legal representative any and all papers, instruments or affidavits required to apply for, protect, obtain, maintain, issue, defend and enforce the Application, Patent, Invention, whether in the US or any and all foreign countries and any patents granted thereon and/or for obtaining any reissue or reissues of any patent which may be granted for the invention and perform such further acts which may be necessary or desirable to carry out the intent of this agreement as the Assignee thereof shall hereafter require and prepare at assignee's expense.

IN WITNESS WHEREOF, Inventor and Assignor has hereunto set hand and seal.

First Inventor's and Assignor's Name: Jong-Hyun CHOUNG
Address: 102-1301, Sinyeongtong Hyundai 1-cha Apt.
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Date: December 12, 2012

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Second Inventor's and Assignor's Signature: In Bae KIM

Date: December 12, 2012



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Docket No. P5038US00

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Fourth Inventor's and Assignor's Name: Hong Sick PARK

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Date: December 12, 2012

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Fifth Inventor's and Assignor's Signature: Jae Woo JEONG

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COUNSELORS at LAW

Docket No. P5038US00

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Sixth Inventor's and Assignor's Signature: _____

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Seventh Inventor's and Assignor's Name: Won-Guk SEO

Address: 201-1201, Samho Jindeok Apt.
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Seventh Inventor's and Assignor's Signature: _____

Date: _____

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Eighth Inventor's and Assignor's Signature: _____

Date: _____



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Docket No. P5038US00

Ninth Inventor's and Assignor's Name: Ki-Beom LEE

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Ninth Inventor's and Assignor's Signature: _____

Date: _____

Tenth Inventor's and Assignor's Name: Sam-Young CHO

Address: 104-301, Halla Apt., Bakdal 2-dong,
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Tenth Inventor's and Assignor's Signature: _____

Date: _____

Eleventh Inventor's and Assignor's Name: Seung-Yeon HAN

Address: 501-202, Nokwon Maeul Sacheonnyeong Greenville Apt.,
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Yongin-si
Gyeonggi-do
Republic of Korea

Eleventh Inventor's and Assignor's Signature: _____

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IN WITNESS WHEREOF, Inventor and Assignor has hereunto set hand and seal.

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Fifth Inventor's and Assignor's Signature: _____
Date: _____



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Date: 2012. 11. 21

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Date: November 28, 2012



HC Park & Associates, PLC

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Docket No. P5038US00

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Ninth Inventor's and Assignor's Signature: Ki-Beom LEE

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