

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>Youn-ho Kim</td> <td>09/25/2012</td> </tr> <tr> <td>Chang-mok Choi</td> <td>09/25/2012</td> </tr> <tr> <td>Kun-soo Shin</td> <td>09/25/2012</td> </tr> <tr> <td>Myoung-ho Lee</td> <td>09/25/2012</td> </tr> <tr> <td>Jin-kwon Kim</td> <td>09/25/2012</td> </tr> </tbody> </table>		Name	Execution Date	Youn-ho Kim	09/25/2012	Chang-mok Choi	09/25/2012	Kun-soo Shin	09/25/2012	Myoung-ho Lee	09/25/2012	Jin-kwon Kim	09/25/2012
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<table border="1"> <tr> <td>Name:</td> <td>Samsung Electronics Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742</td> </tr> <tr> <td>City:</td> <td>Suwon-si</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> </table>		Name:	Samsung Electronics Co., Ltd.	Street Address:	129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742	City:	Suwon-si	State/Country:	KOREA, REPUBLIC OF				
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<table border="1"> <tr> <td>Name:</td> <td>Industry-Academic Cooperation Foundation, Yonsei University</td> </tr> <tr> <td>Street Address:</td> <td>262 Seongsanno, Seodaemun-gu, Seoul, 120-749</td> </tr> <tr> <td>City:</td> <td>Seoul</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> </table>		Name:	Industry-Academic Cooperation Foundation, Yonsei University	Street Address:	262 Seongsanno, Seodaemun-gu, Seoul, 120-749	City:	Seoul	State/Country:	KOREA, REPUBLIC OF				
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
Fax Number:	2023153758												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	202-429-0020												
Email:	info@nsiplaw.com												
Correspondent Name:	NSIP LAW												
Address Line 1:	P.O. Box 34688												
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20043												

OP \$40.00 13626244

ATTORNEY DOCKET NUMBER:	012055.0129
NAME OF SUBMITTER:	Christopher R. Monday
<p>Total Attachments: 5</p> <p>source=NewApp_0120550129_AssignmentExecuted#page1.tif</p> <p>source=NewApp_0120550129_AssignmentExecuted#page2.tif</p> <p>source=NewApp_0120550129_AssignmentExecuted#page3.tif</p> <p>source=NewApp_0120550129_AssignmentExecuted#page4.tif</p> <p>source=NewApp_0120550129_AssignmentExecuted#page5.tif</p>	

JOINT INVENTION
(U.S. Rights Only)

ASSIGNMENT

WHEREAS, we, the below named inventors, (hereinafter referred to as assignors, have made an invention entitled:

**METHOD OF CLASSIFYING INPUT PATTERN AND PATTERN CLASSIFICATION
APPARATUS**

for which we executed an application for United States Letters Patent concurrently herewith or filed an application for United States Letters Patent

on September 25, 2012 Application No. 13/626,244; and

WHEREAS,

(1) **SAMSUNG ELECTRONICS CO., LTD.**, a Republic of Korea corporation/institution/foundation/institute having principal executive office(s) or place of business at:

129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742, Republic of Korea,
and

(2) **INDUSTRY-ACADEMIC COOPERATION FOUNDATION, YONSEI UNIVERSITY**, a Republic of Korea corporation/institution/foundation/institute having its principal executive office(s) or place of business at:

262 Seongsanno, Seodaemun-gu, Seoul, 120-749, Republic of Korea,

(hereinafter referred to as assignees), are each desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention, and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignees is hereby acknowledged, we, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignees, their lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters

Patent for this invention to assignees, their successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignees, their successors and assigns, any facts known to us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignees, their successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignees, their successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers and/or the rendering of such aid shall be borne by the assignees, their successors and assigns.

AND, WE HEREBY authorize and request the attorneys we have empowered in the Declaration and Power of Attorney in this application, to insert the filing date and application number of said application above in the lines provided when known.

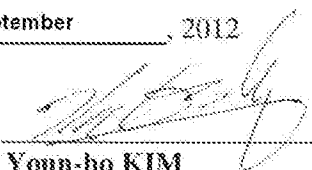
First Assignor:

Youn-ho KIM

Hwaseong-si, Republic of Korea

Citizenship: Republic of Korea

IN WITNESS/TESTIMONY WHEREOF, I hereto set my hand and seal this 25, day of
September, 2012

Signature: 

Youn-ho KIM

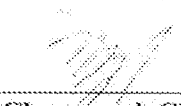
Second Assignor:

Chang-mok CHOI

Yongin-si, Republic of Korea

Citizenship: Republic of Korea

IN WITNESS/TESTIMONY WHEREOF, I hereto set my hand and seal this 25, day of
September, 2012

Signature: 

Chang-mok CHOI


Third Assignor:

Kun-soo SHIN

Seongnam-si, Republic of Korea

Citizenship: Republic of Korea

IN WITNESS/TESTIMONY WHEREOF, I hereto set my hand and seal this 25 day of
September, 2012

Signature: 
Kun-soo SHIN


Fourth Assignor:

Myoung-ho LEE

Seoul, Republic of Korea

Citizenship: Republic of Korea

IN WITNESS/TESTIMONY WHEREOF, I hereto set my hand and seal this 25 day of
September, 2012

Signature: 
Myoung-ho LEE

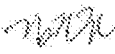
Fifth Assignor:

Jin-kwon KIM

Seoul, Republic of Korea

Citizenship: Republic of Korea

IN WITNESS/TESTIMONY WHEREOF, I hereto set my hand and seal this 25 day of
September, 2012

Signature: 
Jin-kwon KIM