

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>Soon-geun Jang</td> <td>07/23/2012</td> </tr> <tr> <td>Rae-hong Park</td> <td>07/13/2012</td> </tr> <tr> <td>Young-il Pyo</td> <td>07/09/2012</td> </tr> </tbody> </table>		Name	Execution Date	Soon-geun Jang	07/23/2012	Rae-hong Park	07/13/2012	Young-il Pyo	07/09/2012
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Application Number:	13591449								
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ATTORNEY DOCKET NUMBER:	P3989US
NAME OF SUBMITTER:	Brian C. Rupp
Total Attachments: 2 source=P3989US_Assignment#page1.tif source=P3989US_Assignment#page2.tif	

PATENT
Attorney Docket No. P3989US

Drinker Biddle & Reath LLP
191 N. Wacker Drive, Suite 3700
Chicago, Illinois 60606-1698

ASSIGNMENT

WHEREAS, WE, Soon-geun JANG, of (1010) Young-gun Ses Ville, 2164 Seongnam-dong, Jungwon-gu, Seongnam-si, Gyeonggi-do, Republic of Korea, Rae-hong PARK, of 112-1603 Mullae Xi Apt., 54 Mullae-dong 3-ga, Yeongdeungpo-gu, Seoul, Republic of Korea, and Young-il PYO, of (101) 914-28 Hoge 2-dong, Dongan-gu, Anyang-si, Gyeonggi-do, Republic of Korea have invented and own a certain invention entitled:

**IMAGE PROCESSING METHOD AND IMAGE PROCESSING
APPARATUS**

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on August 22, 2012, under U.S. Application No. 13/591,449 , and

WHEREAS, SAMSUNG ELECTRONICS CO., LTD., of 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, and **INDUSTRY-UNIVERSITY COOPERATION FOUNDATION SOGANG UNIVERSITY**, of 1 Shinsu-dong, Mapo-gu, Seoul, Republic of Korea (hereinafter referred to as Assignees), are desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

NOW, THEREFORE, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignees and the Assignees' legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignees agreeably with the terms of this assignment document.

WE HEREBY AUTHORIZE the Assignees to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

UPON SAID CONSIDERATION, we convey to the Assignees the right to make application in its own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the U.S. application (or any other application on the invention) to gain priority with respect to other applications.

WE DO HEREBY COVENANT and agree with the Assignees that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignees, execute such additional assignments and other writings and do such additional acts as the Assignees may deem necessary or desirable to perfect the Assignees' enjoyment of this assignment, and render all necessary assistance in making application for and

In re Appln. of Jang et al.
Attorney Docket No. P3989US

obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Date July 23, 2012 Changhoon Jang
Soon-geun JANG

Date _____ Witness _____

Date _____ Witness _____

Date July 13, 2012 Rae Hong Park
Rae-hong PARK

Date July 13, 2012 Witness Yongmin Kim

Date July 13, 2012 Witness 주미진

Date 2012. 07. 09 Young-il PYO
Young-il PYO

Date July 13, 2012 Witness 이지은

Date 2012. 07. 13 Witness 강종근

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