

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Dong Jae Shin	04/13/2011
Kwang Hyun Lee	04/13/2011
Jung Hyung Pyo	04/13/2011
Kyoung Ho Ha	04/13/2011
Ho-Chul Ji	04/13/2011
RECEIVING PARTY DATA	
Name:	Samsung Electronics Co., Ltd.
Street Address:	416 Maetan-dong
Internal Address:	Yeongtong-gu
City:	Suwon-si, Gyeonggi-do
State/Country:	KOREA, REPUBLIC OF
Postal Code:	000
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13177806
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	5649-3095
NAME OF SUBMITTER:	Michele P. McMahan

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Total Attachments: 6

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ASSIGNMENT

THIS ASSIGNMENT, made by us, **Dong Jae Shin**, citizen of the Republic of Korea, with a residential address of 323-304, III-Zium Apt., Jamsil 3-dong, Songpa-gu, Seoul, Republic of Korea; **Kwang Hyun Lee**, citizen of the Republic of Korea, with a residential address of 102-1305, Sinmiju Apt., Byeongjeom-dong, Hwaseong-si, Gyeonggi-do, Republic of Korea; **Jung Hyung Pyo**, citizen of the Republic of Korea, with a residential address of 203-302, Hyundai Apt., Dohwa-dong, Mapo-gu, Seoul, Republic of Korea; **Kyoung Ho Ha**, citizen of the Republic of Korea, with a residential address of 101-1107, Kukdong Starclass 1Cha Apt., Seocho 1-dong, Seocho-gu, Seoul, Republic of Korea; and **Ho-Chul Ji**, citizen of the Republic of Korea, with a residential address of 206-203, Byeoksan 2 Danji Apt., Jukjeon-dong, Suji-gu, Yongin-si, Gyeonggi-do, Republic of Korea;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **OPTICAL MODULATORS FOR GENERATING DE-EMPHASIS FORMATTED OPTICAL SIGNALS AND METHODS OF OPERATING THE SAME** for which an application for United States Letters Patent has been filed, or is being filed concurrently, in the United States Patent and Trademark Office. We hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application No.

13/177,806, filed 7/7/11) the filing date and application number of said application when known or to file this Assignment concurrently with the application, and

WHEREAS, **Samsung Electronics Co., Ltd.**, a Korean corporation having a principal place of business at 416 Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer and convey unto the said assignee, its successors and assigns, the entire right, title and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the

ASSIGNMENT – CONTINUED

term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to bind our heirs, legal representatives and assigns, promptly to communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns and other legal representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 13th day of April, 2011.

DONG JAE SHIN (SEAL)
Dong Jae Shin

Witnessed by:

Date: _____

ASSIGNMENT – CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 13th day
of April, 2011.

Lee, Kwang Hyun (SEAL)
Kwang Hyun Lee

Witnessed by:

Date: _____



ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 13th day
of April, 2011.

Pyo. Junghyung (SEAL)
Jung Hyung Pyo

Witnessed by:

Date: _____

ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 13th day
of April, 2011.

Kyoungho Ha (SEAL)
Kyoungho Ha

Witnessed by:

Date: _____

ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 13 day
of 4, 2011.

Ho-chul Ji (SEAL)
Ho-Chul Ji

Witnessed by:

Date: _____