

## PATENT ASSIGNMENT

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CONVEYING PARTY DATA	
Name	Execution Date
Samsung Electronics Co., Ltd.	08/02/2013
RECEIVING PARTY DATA	
Name:	Industry-University Cooperation Foundation Hanyang University
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City:	Seoul
State/Country:	KOREA, REPUBLIC OF
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	8442121
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Date:	08/05/2013
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OP \$40.00 8442121

## ASSIGNMENT

WHEREAS, **Samsung Electronics Co., Ltd.** (hereinafter "ASSIGNOR"), a corporation organized under the laws of the Republic of Korea, located and doing business at 129, Samsung-ro, Yeongtong-go, Suwon-si, Gyeonggi-do, 443-742, Republic of Korea, is the sole owner of all right, title and interest in and to an invention entitled "*Method, Apparatus and System for Controlling a Scene Structure of Multiple Channels to be Displayed on a Mobile Terminal in a Mobile Broadcast System*" in and for the United States of America, and is also the sole owner of all right, title and interest in and to United States Patent No. 8,442,121, issued on May 14, 2013, which discloses and claims said invention, said ownership being evidenced by an assignment from inventors Young-Joo Song, Ki-Ho Jung, Young-Kwon Lim, Je-Chang Jeong and Kook-Heui Lee, said assignment having been recorded at the United States Patent and Trademark Office on January 3, 2007 at Reel 018750, Frame 0945; and

WHEREAS, ASSIGNOR and **Industry-University Cooperation Foundation Hanyang University**, an entity organized under the laws of the Republic of Korea, and having an office and place of business at 17 Haengdang-dong, Seongdong-gu, Seoul, 133-791, Republic of Korea (hereinafter "ASSIGNEE"), are desirous of jointly owning the entire right, title and interest in and to the aforementioned invention and the aforementioned United States patent;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

BE IT KNOWN that for good and valuable consideration paid to ASSIGNOR by ASSIGNEE, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR by these presents does hereby sell, assign, set over and transfer unto ASSIGNEE, its successors, legal representatives and assigns, an undivided part interest in and to the aforesaid invention in and for the United States; an undivided part interest in and to the aforesaid United States Patent No. 8,442,121; an undivided part interest in and to any reissue application(s) or reexamination proceeding(s) that may be filed for said invention or said patent in the United States, including the right to file said application(s) or proceeding(s) and the right to claim priority under the provisions of any international treaty or convention; and an undivided part interest in and to any reissue patent(s) or reexamination certificate(s) issued or granted on said invention, said patent, said application(s) or said proceeding(s); all of the same to be jointly held and enjoyed by ASSIGNOR and ASSIGNEE as joint assignees and joint owners;

AND ASSIGNOR HEREBY authorizes and requests the United States Patent and Trademark Office to issue any and all reissue patent(s) and reexamination certificate(s) for said invention, said patent, said application(s) and said proceeding(s) jointly to ASSIGNOR and ASSIGNEE as joint assignees and joint owners.

The undersigned hereby grants the firm of Roylance, Abrams, Berdo & Goodman, L.L.P. the power to insert on this Assignment any further identification which may be 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, the duly authorized official of ASSIGNOR whose name appears below has hereunder set his or her hand and seal this 2<sup>nd</sup> day of August, 2013.

Samsung Electronics Co., Ltd.  
SAMSUNG ELECTRONICS CO., LTD.

By:

*D. H. Kwon*  
Printed Name:  
Title: CH HYUN KWON, Vice Chairman & CEO



*Soo-Hyun Song*

Witness