# 40,00 12518242

#### PATENT ASSIGNMENT

#### Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Pan-Soo KIM	06/03/2009
Dae-lg CHANG	06/03/2009
Deock-Gil OH	06/03/2009
Sangtae KIM	06/03/2009
Seokheon KANG	06/03/2009
Wonjin SUNG	06/03/2009

#### **RECEIVING PARTY DATA**

Name:	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE	
Street Address:	161 Gajeong-dong, Yuseong-gu	
City:	Daejon	
State/Country:	REPUBLIC OF KOREA	
Postal Code:	305-350	

Name:	INDUSTRY-UNIVERSITY COOPERATION FOUNDATION SOGANG UNIVERSITY	
Street Address:	Sogang Univ., 1-1, Sinsu-dong, Mapo-gu	
City:	Seoul	
State/Country:	REPUBLIC OF KOREA	
Postal Code:	121-742	

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12518242

#### **CORRESPONDENCE DATA**

Fax Number: (202)408-0924

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 202-371-8976

PATENT REEL: 022795 FRAME: 0208

500880207

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Correspondent Name: Rabin & Berdo, P.C.

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Suite 500

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Washington, DISTRICT OF COLUMBIA 20005

ATTORNEY DOCKET NUMBER:

SHIN-299NP

NAME OF SUBMITTER:

Steven M. Rabin

Total Attachments: 4

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1/05 Attorney Release to
ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT
WHEREAS KIM, Pan-Soo, CHANG, Dae-Ig, OH, Deock-Gil, KIM, Sangtae, KANG, Seokheon, and SUNG,
Wonlin, hereinafter referred to collectively as the assignor, has invented a certain improvement relating to
EDAME SYNCHRONIZATION AND STRUCTURE DETECTION METHOD IN DVB-S2 SYSTEM,
[X] the inventor(s) declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;  [] said application having been filed in the United States Patent and Trademark Office on authorization being hereby given to my attorneys, Steven M. Rabin, Robert H. Berdo, Jr., Phillip G. Avruch, and Allen Wood of RABIN & BERDO; P.C., 1101 14th Street, N.W., Washington, D.C. 20005, to insert here in parentheses (Application Serial No) the application serial number of said application when known;
AND WHEREAS <u>ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE of Daejon, Republic of Korea and Industry-University Cooperation Foundation Sogang University of Seoul, Republic of Korea, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals,</u>
reissues and prolongations thereof;  NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assigner might or could have held and enjoyed the same, if this assignment had not been made.  AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's including
AND said assignor hereby agrees to perform, upon the request of said designors, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.  AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.
EXECUTED, this 3rd day of June, 2009.
WITNESSES: A 1 ASSIGNOR:

Signature

Name: \_

KIM, Pan-Soo

Signature:

Name: \_\_\_ Address:\_

### ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT Page 2 of 2

WITNESSES:	ASSIGNOR: 9
Signature:	Signature:
Name:	Name: <u>CHANG, Dae-lq</u>
Address	
<i>WITNESSES:</i> Signature:	Name: OH, Deock-Gil
Address	
WITNESSES:	ASSIGNOR:
Signature:	
Name:	Name: KIM, Sangtae
Address	
WITNESSES:	ASSIGNOR:
Signature:	
Name:	Name: KANG, Seokheon
Address	
. WITNESSES:	ASSIGNOR:
Signature:	
Name:	Name: SUNG, Wonjin
Address	·

RABIN & BERDO, P.C., Washington, D.C.

1/05	Altorney Reference
ASSIGNN	IENT OF APPLICATION FOR UNITED STATES LETTERS PATENT
WHEREAS KIM, Pan-So Wonjin, hereinafter refer FRAME SYNCHRONIZA  [X] the inventor(s) declinstrument, said application havin Berdo, Jr., Phillip G. Washington, D.C. 2000s application serial number AND WHEREAS Daejon, Republic of Korea, hereinterest in and to said assaid invention and any reissues and prolongation NOW THIS WITNE valuable consideration is said assignor hereby as	center to collectively as the assignor, has invented a certain improvement relating to a to collectively as the assignor, has invented a certain improvement relating to a to collectively as the assignor, has invented a certain improvement relating to a to collectively as the assignor, has invented a certain improvement relating to a to collectively as the assignor, has invented a certain improvement relating to a to collectively as the assignor, has invented a certain improvement relating to a to collectively as the assignor, the receipt of which is hereby acknowledged, assigns, sells and transfers to said assignor, including any and all inverse to a to collection including any and all transfers to said assignor, the receipt of which is hereby acknowledged, assigns, sells and transfers to said assignor, and including any and all transfers to said assignor, including any and all transfers to said assignor, and including any and all transfers to said assignor, and including any and all transfers to said assignee, and said assignee's successors and assigns, sells and transfers to said assignee, and said assignee's successors and all transfers to said assignee, and said assignee's successors and all transfers to said assignee, and said assignee's successors and all including any an
divisions and continual granted therefor, includi assignee's successors all divisions and continutherefor, including any privileges and advantage of any and all such p	exclusive right, the and interest in and to said invention and any and all patents which may be innown thereof, and in and to said invention and any and all patents which may be ing any and all renewals, reissues and prolongations thereof, said assignee, and said and assigns, to have, hold, exercise and enjoy the said application, including any and lations thereof, and the said invention and any and all patents which may be granted and all renewals, reissues and prolongations thereof, with all the rights, powers, ges in anywise arising from or appertaining thereto, for and during the term or terms altents when granted, including any and all renewals, reissues and prolongations I benefit of said assignee, and said assignee's successors and assigns, in as ample er as the said assignor might or could have held and enjoyed the same, if this
assignment had not bee AND said assignor successors or assigns, any and all renewals, re AND said assignor	en made.  hereby agrees to perform, upon the request of said assignee, or said assignee's any and all acts relating to the obtaining or to the asserting of said patents, including services and prolongations thereof.  authorizes and requests the Commissioner of Patents and Trademarks to issue application, and on any and all divisions and continuations thereof, aid assignee's successors and assigns, in accordance herewith.
	EXECUTED, this 3rd day of June, 2009.
WITNESSES:	ASSIGNOR:
O1	Signature

수신시각 6월 4일 3:05PM

Address:\_\_\_\_

PATENT REEL: 022795 FRAME: 0212

Name: KIM, Pan-Soo

## ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT Page 2 of 2

witnesses:	ASSIGNOR:
Signature:	Signature:
Name:	Name: <u>CHANG, Dae-Iq</u>
Address	
witnesses:	ASSIGNOR:
Signature:	Signature:
Name:	Name: OH, Deock-Gil
Address	
WITNESSES:	ASSIGNOR: A TOTAL
Signature:	Signature:
Name:	VIM Canatas
Address	
WITNESSES:	ASSIGNOR:
Signature:	Signature:
Name:	LANGE C-alchan
Address	
WITNESSES:	ASSIGNOR:
Signature:	Signature:Sung
Name:	CHRIC Wasin
Address	

RABIN & BERDO, P.C., Washington, D.C.

수신시각 6월 4일 3:05PM