FQR <b>M</b> 2 S&H 9/	PTO-1595 WYP 92 1.4.95		ET	U.S. DEPMINING TRACE	
	e Honorable Commissioner of Patents an	101241910	document	s or copy thereof.	
۱.	Name of conveying party(ies):	Min Gvo CHUNG Woon-Ky	vuna KIM. Bvuna-W	oong KWON, and Sun-Geun KIM	
,	·	-	,g, _ yang .vv	out of the control of	
<b>4</b> .	Name and address of receiving p  Korea Telecom	rarty(les):			
		ng-ka Surignam-Shi, Kyour	ngki-Do, Korea		
3.	Nature of conveyance:  X Assignment Security Agreem Other:	CATA SERVE	ange of Name		
	Execution Date(s): Decemb	er 3, 1950: Wevember 11, 19 er 10, 1999; and November		<u>1999; November 10, 1999;</u> e <u>ly.</u>	
4.	Application number(s) or patent r This document is being filed toge (a) The execution date(s) of (b) The title is:  *** OR ***				
		filing of the application:  09/440,197, filed November, issued	<u>r 15, 199</u> 9; or		
5.	Name and address of party to wh STAAS & HALSEY Attention: James D. Hall 700 Eleventh Street, N.W Washington, D.C. 2000	Our sey, Jr. /., Ste. 500	ning document shou Docket: 1337.1020		
5.	Total number of applications and patents involved:1_				
7.	Total fee (37 CFR 3.41)\$ 40.00  X Enclosed Authorized to be charged to deposit account.				
3.	Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account) (Attach duplicate copy of this page if paying by deposit account)				
<b>)</b> .	Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.				
	James D. Halsey, Jr., Reg. No. 2 Name of Person Signing	Sigr	nature	Date attachments and document: 8	
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:581	40.00 80				

01-11-2000

PATENT REEL: 010475 FRAME: 0872 IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by (Insert Name(s) & Address(es) of ASSIGNEE(S))

KOREA TELECOM a corporation organized under the	ne laws of the Republic of Korea located at 206 JUNGJA-DONG
PUNDANG-KU, SUNGNAM-SHI, KYOUNGKI-DO,	KOREA
assigns and transfers to ASSIGNEE the entire and ex $(Title\ of\ Invention)$	hereby acknowledged, the undersigned ASSIGNOR hereby sells, aclusive right, title and interest to the invention entitled
AND METHOD THEREOF	
relating to International Patent Application PCT/the United States was executed on even date herewit	and/or for which application for Letters Patent of h or, if not so executed, was:
(a) executed on; (Inc	sert date of execution of application, if not concurrent)
(b) filed on15/11/1999, Serial No09/440,197;	Any registered attorney of STAAS & halsey, 700 Eleventh Street, N.W., Washington, D.C. 20001 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.
ASSIGNEE, to do all acts which the ASSIGNEE may and enforcing protection for said invention, including issuance of said Letters Patent(s), in any interferen litigation or other legal proceeding which may arise of	aid ASSIGNEE and without charge to but at the expense of said deem necessary, desirable or expedient, for securing, maintaining in the preparation and prosecution of said application(s) and the ce, reissue, reexamination, or public use proceeding, and in any r be declared in relation to same, such acts to include but not be assignments and declarations, taking all rightful oaths, providing the.
IN WITNESS WHEREOF, the undersigned inventor	(s) has (have) affixed his/her/their signature(s).
(Typed Name & Signature of Inventor(s))	(Date) (Typed Name & Signature of Witness(es))
<b>1</b> 3/	′12/1999
SHIN, EUI-SEOB	YI, JEONG-SOOK

PATENT REEL: 010475 FRAME: 0873

## U.S. ASSIGNMENT

S&H 8/94

KIM HYEOK-MAN		YI, JEONG-SOOK
	11/11/1999	
(Typed Name & Signature of Inventor(s))	(Date)	(Typed Name & Signature of Witness(es))
IN WITNESS WHEREOF, the undersigned inventor(s	s) has (have) affic	ked his/her/their signature(s).
The ASSIGNOR agree(s), when requested by sai ASSIGNEE, to do all acts which the ASSIGNEE may and enforcing protection for said invention, including it issuance of said Letters Patent(s), in any interference itigation or other legal proceeding which may arise or limited to executing all papers, including separate as sworn testimony, and obtaining and producing evidence	deem necessary, in the preparation in the preparation in the preparation in research to declared in resignments and decision and declared in the signments and decision in the second second in the se	desirable or expedient, for securing, maintaining and prosecution of said application(s) and the sination, or public use proceeding, and in any lation to same, such acts to include but not be
and to said application and all Letters Patent(s) of the division, renewal, substitute, reissue or reexamination the said Letters Patent(s) may be granted and including (collectively, hereinafter, "said application(s) and Letters	application based grany extensions	thereon, for the full term or terms for which
(b) filed on15/11/1999	Street, N.W., W	attorney of STAAS & halsey, 700 Eleventh ashington, D.C. 20001 (202/434-1500) is d to insert in (b) the specified data, when
(a) executed on; (Inse	ert date of execut	on of application, if not concurrent)
relating to International Patent Application PCT/the United States was executed on even date herewith	and or, if not so exe	for for which application for Letters Patent of cuted, was
METHOD THEREOF		
thereinafter, "ASSIGNEE"), the receipt of which is bassigns and transfers to ASSIGNEE the entire and exertitle of Invention)  HIGH ACCURATE AND REAL-TIME	clusive right, title	and interest to the invention entitled
PUNDANG-KU, SUNGNAM-SHI, KYOUNGKI-DO, F	KOREA	
KOREA TELECOM a corporation organized under the		ublic of Korea located at 206 JUNGJA-DONG
Insert Name(s) & Address(es) of ASSIGNEE(S))	7	
IN CONSIDERATION of the sum of One Dollar (sundersigned inventor(s) (hereinafter, "ASSIGNOR") by		er good and valuable consideration paid to the

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11/11/1999

PATENT REEL: 010475 FRAME: 0875

IN CONSIDERATION of the sum of One Dollar (\$1,00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by (Insert Name(s) & Address(es) of ASSIGNEE(S)) KOREA TELECOM a corporation organized under the laws of the Republic of Korea located at 206 JUNGJA-DONG PUNDANG-KU, SUNGNAM-SHI, KYOUNGKI-DO. KOREA (hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled (Title of Invention) HIGH ACCURATE AND REAL-TIME GRADUAL SCENE CHANGE DETECTOR AND METHOD THEREOF relating to International Patent Application PCT/\_\_\_\_\_\_ and/or for which application for Letters Patent o the United States was executed on even date herewith or, if not so executed, was: (a) executed on \_\_\_\_\_\_; (Insert date of execution of application, if not concurrent) Any registered attorney of STAAS & halsey, 700 Eleventh (b) filed on \_\_\_\_\_15/11/1999 Serial No. \_\_\_\_9/\_440,197\_\_\_; Street, N.W., Washington, D.C. 20001 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known. and to said application and all Letters Patent(s) of the United States granted on said application and any continuation division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)"). The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence. IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Date)

(Typed Name & Signature of Inventor(s))

Woodsming 11/10/99 KIM, WOON-KYING

> PATENT REEL: 010475 FRAME: 0876

(Typed Name & Signature of Witness(es))

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> PATENT REEL: 010475 FRAME: 0877

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the

undersigned inventor(s) (hereinafter, "ASSIGNOR") by (Insert Name(s) & Address(es) of ASSIGNEE(S)) KOREA TELECOM a corporation organized under the laws of the Republic of Korea located at 206 JUNGJA-DONG PUNDANG-KU, SUNGNAM-SHI, KYOUNGKI-DO, KOREA (hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled (Title of Invention) HIGH ACCURATE AND REAL-TIME GRADUAL SCENE CHANGE DETECTOR AND METHOD THEREOF relating to International Patent Application PCT/\_\_\_\_\_\_ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was: (a) executed on \_\_\_\_\_\_; (Insert date of execution of application, if not concurrent) Any registered attorney of STAAS & halsey, 700 Eleventh Street, N.W., Washington, D.C. 20001 (202/434-1500) is Serial No. 09 / 440,197 : hereby authorized to insert in (b) the specified data, when known. and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)"). The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence. IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s). (Typed Name & Signature of Inventor(s)) (Date) (Typed Name & Signature of Witness(es)) Sunleun 11/10/99 KIM, SUN-GEUN

RECORDED: 01/04/2000

**PATENT REEL: 010475 FRAME: 0878**