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04-20-2010



Docket No.: PU070248

U.S. DEPARTMENT OF COMMERCE

12/734175

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	95113 ments or copy thereof.				
. Name of conveying party(ies): Peng Yin, Jiancong Luo, Yong Ying Gao, and Yu Wen Wu	2. Name and address of receiving party(ies): Name: THOMSON LICENSING				
Additional name(s) of X No conveying party(ies) attached:	Street Address: 46 Quai A. Le Gallo F-92100 Boulogne-Billancourt, France				
Nature of convenance:  Assignment Merger Security Agreement Change of Name Other					
Execution Date: November 5, 2007, November 12, 2007, October 30, 2007, and October 30, 2007, respectively	Additional name(s) & address(es)attached? X No				
Application number(s) or patent number(s):     If this document is being filed together with a new application, the execution date o     A. Patent Application No.(s): PCT/US2008/01/1712	f the application is:   B. Patent No.(s)				
12/734175 Additional numbers attached? Yes	No X				
Name and address of party to whom correspondence concerning document should be mailed:  Name: ROBERT D. SHEDD	6. Total number of applications and patents involved: 1				
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Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct	and any attached cony is a true				
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PATENT REEL: 024262 FRAME: 0348

## IAPO1Rec'd PGT 15 APR 2010

Customer No. 24498

Docket No. PU070248

## ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR 12/734175

I hereby declare that I am the sole inventor (if only one inventor is named below) or one of \_\_\_\_\_\_ joint inventors (if plural inventors are named below) of the inventions relating to METHODS AND APPARATUS FOR INTER-LAYER RESIDUE PREDICTION FOR SCALABLE VIDEO described in an Application for Patent filed on October 15, 2007 under Serial No. 60/979,956 and described in the file associated with , listed above or, if not identified here by filing date and serial number or by the Docket Number listed above, executed by me on even Docket No. PU070248 date with my execution of this Assignment/Agreement. For valuable consideration received, I hereby sell, assign and transfer to THOMSON LICENSING, a corporation duly organized and existing under the laws of the country of France, its successors, and assigns my entire right, title and interest, for all countries in and to said inventions, and all the rights and privileges under any and all Letters Patent that may be granted therefor, and any divisions, continuations, reissues and extensions thereof.

I agree that, when requested, I will, without charge to said corporation but at its expense, sign all papers, take all rightful oaths, make all rightful declarations and do all acts which may be necessary, desirable or convenient for securing and maintaining patents or other forms of protection for said inventions in any and all countries and for vesting title thereto in said corporation, its successors, assigns or nominees. I agree that I will communicate to said corporation or its representatives any facts known to me respecting said inventions and when requested by said corporation and at its expense will testify in any legal proceedings, and generally do everything possible to aid said corporation, its successors, assigns and legal representatives or nominees, to obtain or enforce proper protection for said inventions in any and all countries l authorize and empower said corporation, its successors, assigns or nominees, to make application for patent or other form of protection for said inventions in its or their own name, or in my/our name, in any and all countries and to invoke and claim for any application for patent or other form of protection for said in the own hame, of the myour hame, in any and a continue and to move and to any opposition to patch the following the inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me. I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said corporation or its successors, assigns or nominees to apply for patent or other proper protection for said inventions, and to claim the aforesaid benefits of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it. I covenant with THOMSON LICENSING, its successors, assigns, legal representatives, and nominees, that to the best of my knowledge the right, title and interest herein conveyed by me are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed. Signed at PRINCETON, NEW JERSEY Date Inventor (1) Peng Yin (Type or Print) Post Office Address 65 Warwick Road, (Mercer County), West Windsor, New Jersey 08550 1st Witness (Type or Print) runtis mouning moour 2ndWitness (Type or Print) (Signature in Full. No initials 200 Date Signed at PRINCETON, NEW JERSEY Inventor (2) Jiancong Luo Full. No initials.) (Type or Print) Post Office Address 3404 Hunters Glen Drive, (Middlesex County), Plainsboro, New Jersey 08536 1st Witness mooren (Type or Print) Modrina 2ndWitness (Signature in Full. No initials.) Signed at Inventor (3) Yong Ying Gao (Signature in Full. No initials.) Bldg., Apt. 2-902 2nd Area, Shi Cun, Chaoyang District, Beijing, China 100101 Post Office Address 1st Witness (Signature in Full. No initials.) (Type or Print)

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2ndWitness

#### ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA (Cont'd)

Signed at	Beiting Ohina	Date	10/30/2007
Inventor (4)	YU Wen Wu (Type or Print)		Yawen Wu
1		West Xuan V	(Signature in Full. No initials.)  Vu Men Street, Xuanwu District, Beijing, China
	100031		, , , , , , , , , , , , , , , , , , , ,
1st Witness	ZHU RONG (Type or Print)	<del></del> -	(Signature in Full. No initials.)
2nd Witness	LIU DE YI		(Signature in Puli. No initials.)
	(Type or Print)		(Signature in Full. No initials.)
Signed at		Date	
Inventor (5)			
	(Type or Print)		(Signature in Full. No initials.)
F	Post Office Address		
1st Witness			
	(Type or Print)		(Signature in Full. No initials.)
2nd Witness	(Type or Print)		
, <u>, , , , , , , , , , , , , , , , , , </u>	(Type or Fint)		(Signature in Full. No initials.)
Signed at		Date _	
Inventor (6)			
	(Type or Print)		(Signature in Full. No initials.)
F	Post Office Address		
1st Witness			
	(Type or Print)		(Signature in Full. No initials.)
2nd Witness	(Type of Brigh)		
······································	(Type or Print)	····	(Signature in Full. No initials.)
Signed at		Date	
Inventor (7)			
	(Type or Print)	<del></del>	(Signature in Full. No initials.)
P	ost Office Address		
1st Witness			
	(Type or Print)	_	(Signature in Full. No initials.)
2nd Witness			
	(Type or Print)		(Signature in Full. No initials.)

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# ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

Docket No. PU070248

12/734175

	w .	ventor (if only one inventor					are named below) of th
entions relating to	METHODS AND APPA	ARATUS FOR INTER-LAYE	R RESIDUE PRED	ICTION F	OR SCALABLE VI	DEO	
scribed in an Appli	cation for Patent filed or	October 15, 2007	under Seri	ial No6	60/979,956	and described in	the file associated wi
cket No. PU070	)248 , listed ab	ove or, if not identified here	by filing date and se	rial numb	er or by the Docket I	Number listed above, e	xecuted by me on ever
For valuable the country of Fran y and all Letters Pa I agree that, d do all acts which untries and for ves I agree that roporation and at its presentatives or no I authorize a its or their own nayentions filed by it convention which may be required in a tent or other propotection of Industria	nce, its successors, and atent that may be grante when requested, I will, an may be necessary, detining title thereto in said of 1 will communicate to a se expense will testify in ominees, to obtain or enfand empower said corpo ame, or in mylour name or them, the benefit of they henceforth be substitusent that a copy of this inny country for any purpour protection for said in al Property, as amended	I hereby sell, assign and tassigns my entire right, titled therefor, and any divisions without charge to said corposirable or convenient for secorporation, its successors, and corporation or its represent legal proceedings, and orce proper protection for stration, its successors, assige, in any and all countries e right of priority provided beted for it, and to invoke and assignment shall be deemed assignment shall be claim the fly or by any convention which	and interest, for all as, continuations, reis pration but at its expecuring and maintaini assigns or nominees esentatives any facts I generally do every aid inventions in any ins or nominees, to rand to invoke and y the International Coclaim such right of p d a full legal and for proof of the right of proof of the right of aforesaid benefits h may henceforth be	countries countries is uses and a least so known thing pos and all comake appolaim for onvention priority with mal equiving the said of the rige substitute.	in and to said invent extensions thereof. In all papers, take all its or other forms of to me respecting saisible to aid said corpuntries. Discation for patent or any application for for the Protection of thout further written corporation or its sught of priority provided for it.	rightful oaths, make all protection for said inventions and whe poration, its successor other form of protectio patent or other form of Industrial Property, as or oral authorization from ent, consent to file or ccessors, assigns or ned by the International	and privileges under rightful declarations in any and all in requested by said s, assigns and legal on for said inventions of protection for said amended, or by any in me.  Ilike document which ominees to apply for I Convention for the
		SING, its successors, assign clear of any encumbrance, and encumbrance, and any encumbrance,					ge the right, title and
Signed at	PRINCETON,	NEW JERSEY	Date				
inventor (1)	Peng Yin						
	(Type or Print)		<del></del>	(Sign	ature in Full. No init	ials.)	
1st Witness	OST Office Address  (Type or Print)	65 Warwick Road	(Mercer Cou		Vest Windsor, ature in Full. No init		550
2ndWitness							
	(Type or Print)			(Sign	ature in Full. No init	ials.)	
Signed at	PRINCETON,	NEW JERSEY	Date -				
Inventor (2)	Jiancong Lu (Type or Print)	o		(Sign	ature in Full. No init	ials.)	
Po	ost Office Address	3404 Hunters Gle	n Drive, (Midd	llesex (	County), Plains	sboro, New Jers	ey 08536
1st Witness	(Type or Print)			(Sign	ature in Full. No init	als.)	
2ndWitness	(Type or Print)			(Sign	ature in Full. No init	ials.)	
Signed at	Beijing,	China	Date	<del></del>	10/30/8	2007	
Inventor (3)	Yong Ying (	Gao		(Sign	Aby y ature in Full Moinit	y taw	
Po	ost Office Address	Bldg., Apt. 2-902 2	nd Area Shi (	Cun C	haovang Distri	´	na 100101
			ind / ii ca, Oili (	<u> </u>	/	ot, beging, om	100101
1st Witness	ZHU	RONG		(6:	Jun 17	inle \	
1	(Type or Print)			(⊙ig⊓	ature in Full. No initi	a13.)	ı

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2ndWitness

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(Signature in Full. No initials.)

LIU DE YI

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LLC

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### ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA (Cont'd)

Signed at	Beising Mina	Date	10/30/2007	
Inventor (4)	YII Won Wu		Van our 1/12	
1117011101 ( <del>1</del> )	YU Wen Wu (Type or Print)		(Signature in Full. No initials.)	
Pe	Bldg. 14, Apt. 202, V	Vest Xuan V	Vu Men Street, Xuanwu District, Beijing, China	
1st Witness	ZHU RONG (Type or Print)		Shu you (Signature in Full. No initials.)	
2nd Witness	LIU DE 11 (Type or Print)		(Signature in Full. No initials.)	
Signed at	(1,7,500.1)	Date	(orginals on your model)	
Inventor (5)		-		
	(Type or Print)		(Signature in Full. No initials.)	
P	ost Office Address			
1st Witness				
Omed had the money	(Type or Print)		(Signature in Full. No initials.)	
2nd Witness	(Type or Print)		(Signature in Full. No initials.)	
Signed at		Date _		
Inventor (6)				
	(Type or Print)	<del></del> -	(Signature in Full. No initials.)	
Po	ost Office Address			
1st Witness	Company Dates		Oliman San Maria	
and Mitness	(Type or Print)		(Signature in Full. No initials.)	
2nd Witness	(Type or Print)		(Signature in Full. No initials.)	
Signed at		Date _		
Inventor (7)				
	(Type or Print)	<del>-</del>	(Signature in Full. No initials.)	
Po	ost Office Address			
1st Witness	Transact Drive		(Cinneture in E.ul. No initials)	
	(Type or Print)		(Signature in Full. No initials.)	
2nd Witness	(Type or Print)		(Signature in Full. No initials.)	
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