35 FORM PTO-1595			Docket No.: PF060021	
EXPRESS MAIL EM 136529835 US COUSTOMER NO.: 24498	08-05-20	800	U.S. DEPARTMENT OF CO Patent and Trademark Office	
A/D581.			HEET 12/22343	RÃ
To the Honorable Director of the United States Patent	1035176	60	inal documents or copy thereof.	7
1. Name of conveying party(ies): DOMINIQUE THOREAU FRANCK HIRON YANNICK OLIVIER Additional name(s) of X No conveying party(ies) attached:	1000170	2. Name and add Name: THOM Internal Address: Street: 46 Qua	ress of receiving party(ies): SON Licensing Ai A. Le Gallo D Boulogne-Billancourt, France	
3. Nature of convenance: X Assignment Merger Security Agreement Change of N Other	ame		- 20110 g	
Execution Date: July 10, 2008, respectively	Additional name	s) & address(es)attached?	X No	
Additional numbers attached: 5. Name and address of party to whom correspondence concerning document should be mailed: Name: JOSEPH J. LAKS Internal Address: PATENT OPERATIONS THOMSON LICENSING LLC Street Address: P. O. Box 5312		No X 6. Total number 7. Total Fee (37 Enclose)	sed orized to be charged to deposit account	
C' PRINCETON CALL NEW IERCEY 7'	07-0832			
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9. Statement and signature. To the best of my knowledge and belief, the foregoing copy of the original document. JEFFREY M. NAVON Name of Person Signing Total number of pages includ	Signature - Reg. No.	32,711	copy is a true JULY, 20, all Dage)
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PATENT

REEL: 021353 FRAME: 0355

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTER PATENT

WHEREAS Dominique THOREAU, 39 rue du Reage, F- 35510, CESSON SEVIGNE, France; Franck HIRON, 7 rue Jules Verne, F- 35220, CHATEAUBOURG, France; Yannick OLIVIER, 22 allée des Bruyères, F- 35235, THORIGNE FOUILLARD, France, hereinafter referred (collectively) to as the assignor, have invented a certain improvement relating to

DERIVATION OF FRAME/FIELD ENCODING MODE FOR A PAIR OF VIDEO MACROBLOCKS

for which said assignor has caused an application for United States Letters Patent to be prepared,

- 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;
- (X) said application having been filed in the United States Patent and Trademark Office on January 31, 2007 Serial Number PCT/ EP2007/050959;

AND WHEREAS

THOMSON LICENSING 46 quai Alphonse Le Gallo F-92100 Boulogne Billancourt FRANCE

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, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for 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 entire 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 assignor 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 successors or assigns, 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.

PATENT REEL: 021353 FRAME: 0356

EXECUTED, this W day of July	. 2008
WITNESSES:	ASSIGNOR:
Signature:	Signature:
Name: CHEVANCE CHRISTOPHE	Name: Dominique THOREAU
Address: 32 Rue du Rocher 35530 BRÉCÉ	
Signature:	
Name: CHAMARET CHRISTEL Address: Li fue Vouveau 35000 Rennes.	
EXECUTED, this 10 day of July	, 2008
WITNESSES:	ASSIGNOR:
Signature:	Signature: ##
Name: BURELLER OLIVIER	Name: Franck HIRON
Address: 7. Avenu Ven Bangeris 37340 LIFFRE	
Signature:	
Name: URPAN Fabrice Address: 15 mail de Dougecheveul 35510 cesson serige	
EXECUTED, this <u>lo</u> day of July	, 2008
WITNESSES:	ASSIGNOR:
Signature:	Signature:
Name: Olivin LE MEUR	Name: Yannick OLIVIER
Address: La Souche 35/160 TALENSAC	
Signature:	
Name: Philippe Guillore? Address: 15, me avguste Renown 35770 Vern (Leidre	

RECORDED: 07/30/2008

PATENT REEL: 021353 FRAME: 0357