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(54) Title: METHOD AND DEVICE FOR CONTEXT-ADAPTIVE BINARY ARITHMETIC CODING A SEQUENCE OF BINARY SYMBOLS REPRESENTING A SYNTAX ELEMENT RELATED TO VIDEO DATA

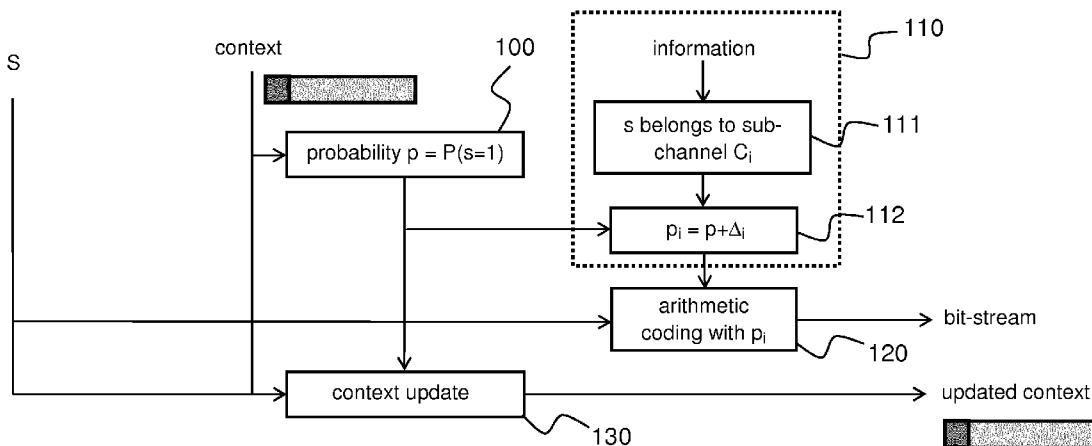


FIG.6

(57) Abstract: The present principles relate to a method and device for context-adaptive binary arithmetic coding a sequence of binary symbols representing a syntax element related to video data or a syntax element relative to a video data. The method comprises, for each binary symbol of the sequence of binary symbols: - obtaining (100) a context value from a context model defined for the binary symbol, said context value comprising bits representing the probability, called a first probability p, for the binary symbol to be equal to a binary value; - determining (110) a second probability p' by modifying said first probability p according to at least one previously coded binary symbol of the sequence of binary symbols; - arithmetic coding (120) the binary symbol based on said second probability p'; and - updating and storing (130) the first probability p of said context value



MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM,  
PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC,  
SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR,  
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**INTERNATIONAL SEARCH REPORT**

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PCT/EP2017/060759

A. CLASSIFICATION OF SUBJECT MATTER  
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ADD.  
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED  
Minimum documentation searched (classification system followed by classification symbols)  
H04N  
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT		
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X	EP 2 533 538 A2 (RESEARCH IN MOTION LTD [CA]) 12 December 2012 (2012-12-12)	1-4,7-11
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A	the whole document	
A	----- US 2015/195538 A1 (HENRY FELIX [FR] ET AL) 9 July 2015 (2015-07-09)	1-11
	the whole document	
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Further documents are listed in the continuation of Box C.

See patent family annex.

\* Special categories of cited documents :

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Date of the actual completion of the international search <b>9 November 2017</b>	Date of mailing of the international search report <b>24/11/2017</b>
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer <b>Ernst, Jens</b>
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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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