

Title (en)

A METHOD, AN APPARATUS AND A COMPUTER PROGRAM PRODUCT FOR VIDEO ENCODING AND VIDEO DECODING

Title (de)

VERFAHREN, VORRICHTUNG UND COMPUTERPROGRAMMPRODUKT ZUR VIDEOCODIERUNG UND VIDEODECODIERUNG

Title (fr)

PROCÉDÉ, APPAREIL ET PRODUIT-PROGRAMME INFORMATIQUE POUR CODAGE ET DÉCODAGE VIDÉO

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Application

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Abstract (en)

[origin: WO2020254723A1] A method for video coding comprises receiving a source picture; partitioning the source picture into a set of non-overlapping blocks (510); for a first block being coded, coding syntax elements of various coding tools into the bitstream (530) according to a pre-defined order (520); for any one or more subsequent block, determining a probability of a usage of each of the various coding tools in any one or more previous blocks; deriving a probability model according to the determined probabilities (540); defining an order for syntax elements for a block according to the probability model (550); and encoding syntax elements of the block into a bitstream (530) according to the defined order (520). In some embodiments, the probability of usage of each coding tool is determined according to a learning process involving a neural network.

IPC 8 full level

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