

Title (en)

METHODS AND DEVICES FOR CODING AND DECODING A DATA STREAM REPRESENTING AT LEAST ONE IMAGE

Title (de)

VERFAHREN UND VORRICHTUNGEN ZUR CODIERUNG UND DECODIERUNG EINES DATENSTROMS, DER MINDESTENS EIN BILD REPRÄSENTIERT

Title (fr)

PROCÉDÉS ET DISPOSITIFS DE CODAGE ET DE DÉCODAGE D'UN FLUX DE DONNÉES REPRÉSENTATIF D'AU MOINS UNE IMAGE

Publication

**EP 3854090 A1 20210728 (FR)**

Application

**EP 19786368 A 20190903**

Priority

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Abstract (en)

[origin: WO2020058594A1] The invention relates to a method for decoding a stream of encoded data representing at least one image that is split into blocks. For at least one block of the image, called the current block, it is determined whether the size of the current block is less than or equal to a predetermined threshold. If the size of the current block is less than or equal to the predetermined threshold, the method comprises decoding (E42) a piece of information indicating a coding mode of the current block among a first coding mode and a second coding mode, and reconstructing the current block according to the coding mode indicated by said piece of information, and otherwise reconstructing the current block according to the first coding mode. The first coding mode corresponds to a coding mode according to which the current block is reconstructed (E436) using an inverse transformation of a transformed prediction remainder decoded for the current block, and the second coding mode corresponds to a coding mode according to which the current block is reconstructed (E444), for each pixel of the current block, by obtaining a prediction of said pixel based on another previously decoded pixel belonging to the current block or to a previously decoded block of the image, and reconstructing said pixel based on the prediction obtained and on a decoded prediction remainder associated with said pixel.

IPC 8 full level

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"High Efficiency Video Coding (HEVC)", 23 August 2014, SPRINGER INTERNATIONAL PUBLISHING, Cham, ISBN: 978-3-319-06894-7, article HEIKO SCHWARZ ET AL: "Chapter 3: Block Structures and Parallelism Features in HEVC", pages: 49 - 90, XP055614176, DOI: 10.1007/978-3-319-06895-4\_\_3

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