

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

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Application

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Priority

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Abstract (en)

[origin: WO2020161413A1] The invention relates to a method for coding and decoding and, correspondingly, a device for coding and decoding a coded data stream representing at least one image that is split into blocks. For at least one current block of the image, a group of pixel values that are constant in the block is determined (E441) from pixels decoded beforehand, and for each pixel of the block, a prediction residual associated with said pixel is decoded (E442). A prediction value associated with the pixel is determined (E4411) using a first prediction mode in which the pixel is predicted from at least one other pixel decoded beforehand, said other pixel decoded beforehand belonging to said current block, a piece of information (E4422) indicating whether the pixel is to be predicted using a second prediction mode in which the pixel is predicted using a prediction resulting from said group of pixel values that are constant in the block. When the pixel is predicted using the second prediction mode, the prediction value associated with the pixel is replaced (E4423) by a selected value of the group. The pixel is reconstructed (E444) using the prediction value associated with the pixel and using the prediction residual.

IPC 8 full level

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