

Title (en)

METHODS AND DEVICES FOR ENCODING 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 3854085 A1 20210728 (FR)

Application

EP 19783583 A 20190903

Priority

- FR 1858573 A 20180921
- FR 2019052029 W 20190903

Abstract (en)

[origin: WO2020058595A1] 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, referred to as the current block, information indicating an encoding mode, out of a first and a second encoding mode, of the current block is decoded (E42) from the data stream, and the current block is decoded on the basis of this information. When the encoding mode of the current block corresponds to a second encoding mode, the current block is reconstructed on the basis of a prediction obtained, for each pixel, from another, previously decoded pixel belonging to the current block or to a previously decoded block of the image, and a decoded residual associated with said pixel. At least one processing method is applied to the reconstructed current block for at least one pixel of the current block, depending on the encoding mode of the current block and/or the encoding mode of the neighboring blocks.

IPC 8 full level

H04N 19/159 (2014.01); **H04N 19/11** (2014.01); **H04N 19/117** (2014.01); **H04N 19/176** (2014.01); **H04N 19/86** (2014.01)

CPC (source: EP KR US)

H04N 19/105 (2014.11 - US); **H04N 19/11** (2014.11 - EP KR); **H04N 19/117** (2014.11 - EP KR US); **H04N 19/159** (2014.11 - EP KR US); **H04N 19/176** (2014.11 - EP KR US); **H04N 19/593** (2014.11 - KR); **H04N 19/80** (2014.11 - US); **H04N 19/86** (2014.11 - EP KR); **H04N 19/85** (2014.11 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2020058595 A1 20200326; BR 112021003486 A2 20210518; CN 112740690 A 20210430; CN 112740690 B 20240409; CN 118175323 A 20240611; EP 3854085 A1 20210728; FR 3086487 A1 20200327; JP 2022501910 A 20220106; JP 7487185 B2 20240520; KR 20210062048 A 20210528; US 11516465 B2 20221129; US 11962761 B2 20240416; US 2021352272 A1 20211111; US 2023050410 A1 20230216

DOCDB simple family (application)

FR 2019052029 W 20190903; BR 112021003486 A 20190903; CN 201980061930 A 20190903; CN 202410401679 A 20190903; EP 19783583 A 20190903; FR 1858573 A 20180921; JP 2021515568 A 20190903; KR 20217011404 A 20190903; US 201917277945 A 20190903; US 202217973966 A 20221026