Title (en)

ENCODING OF IMAGES BY VECTOR QUANTIZATION

Title (de)

CODIERUNG VON BILDERN DURCH VEKTORQUANTISIERUNG

Title (fr)

CODAGE D'IMAGES PAR QUANTIFICATION VECTORIELLE

Publication

EP 3272122 A1 20180124 (FR)

Application

EP 16718390 A 20160218

Priority

- FR 1551420 A 20150219
- FR 2016050373 W 20160218

Abstract (en)

[origin: WO2016132074A1] The invention relates to encoding of at least one image (ICj). Said encoding implements, for a common block (Bu) to be coded for said image: - predicting (C3) the common block according to a prediction procedure selected from among a plurality of predetermined prediction procedures ; - obtaining a predictor block (BPopt) from the prediction; - calculating (C4) a first set of data representing a comparison between the predictor block obtained and the common block; - comparing (C5) said calculated first set with a plurality of quantization vectors; - selecting (C6) one of said vectors according to a predetermined encoding performance criterion; - encoding (C7) an index associated with the selected vector; - calculating (C8) a second set of data representing a comparison between the first calculated data set and the selected vector; and - encoding (C9) the second calculated data set. During said encoding, at least one of said quantization vectors is modified on the basis of the data from the second calculated data set.

IPC 8 full level

H04N 19/176 (2014.01); **H04N 19/126** (2014.01); **H04N 19/137** (2014.01); **H04N 19/15** (2014.01); **H04N 19/94** (2014.01)

CPC (source: CN EP KR US)

H04N 19/105 (2014.11 - KR US); **H04N 19/124** (2014.11 - US); **H04N 19/126** (2014.11 - CN EP KR US); **H04N 19/137** (2014.11 - CN EP US); **H04N 19/15** (2014.11 - CN EP KR US); **H04N 19/176** (2014.11 - CN EP KR US); **H04N 19/94** (2014.11 - CN EP US); H04N 19/593 (2014.11 - EP US); H04N 19/61 (2014.11 - EP US)

Citation (search report)

See references of WO 2016132074A1

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)

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DOCDB simple family (application)

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