

Title (en)

METHOD AND DEVICE FOR OPTIMIZING THE COMPRESSION OF A VIDEO STREAM

Title (de)

VERFAHREN UND EINRICHTUNG ZUR OPTIMIERUNG DER KOMPRIMIERUNG EINES VIDEOSTROMS

Title (fr)

PROCEDE ET DISPOSITIF D'OPTIMISATION DE LA COMPRESSION D'UN FLUX VIDEO

Publication

EP 2084910 A1 20090805 (FR)

Application

EP 07819360 A 20071026

Priority

- EP 2007009315 W 20071026
- FR 0609432 A 20061027

Abstract (en)

[origin: FR2907989A1] The method involves determining a prediction of a part of an image, and determining a residue that is difference between the prediction and the part of the image. Distortion associated to the prediction is determined, and rate and distortion associated to the residue are determined. Decision for coding or not-coding the residue is made based on value of the distortion associated to the prediction, and the rate and the distortion associated to the residue. An independent claim is also included for a device for compressing a part of an image.

IPC 8 full level

H04N 7/26 (2006.01); **H04N 7/36** (2006.01)

CPC (source: EP US)

H04N 19/103 (2014.11 - EP US); **H04N 19/132** (2014.11 - EP US); **H04N 19/147** (2014.11 - EP US); **H04N 19/176** (2014.11 - EP US); **H04N 19/19** (2014.11 - EP US); **H04N 19/36** (2014.11 - EP US); **H04N 19/50** (2014.11 - EP US); **H04N 19/507** (2014.11 - EP US)

Citation (search report)

See references of WO 2008049628A1

Citation (examination)

- WIEGAND T ET AL: "Lagrange multiplier selection in hybrid video coder control", PROCEEDINGS 2001 INTERNATIONAL CONFERENCE ON IMAGE PROCESSING. ICIP 2001 - THESSALONIKI, GREECE, OCT. 7 - 10, 2001; [INTERNATIONAL CONFERENCE ON IMAGE PROCESSING], INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, NEW YORK, NY, vol. 3, 7 October 2001 (2001-10-07), pages 542 - 545, XP010563403, ISBN: 978-0-7803-6725-8, DOI: 10.1109/ICIP.2001.958171
- SULLIVAN G J ET AL: "RATE-DISTORTION OPTIMIZATION FOR VIDEO COMPRESSION", IEEE SIGNAL PROCESSING MAGAZINE, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, vol. 15, no. 6, 1 November 1998 (1998-11-01), pages 74 - 90, XP011089821, ISSN: 1053-5888, DOI: 10.1109/79.733497

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2907989 A1 20080502; **FR 2907989 B1 20090116**; EP 2084910 A1 20090805; JP 2010507946 A 20100311; JP 5468383 B2 20140409; US 2010027623 A1 20100204; US 2013329792 A1 20131212; US 8532179 B2 20130910; US 9628791 B2 20170418; WO 2008049628 A1 20080502

DOCDB simple family (application)

FR 0609432 A 20061027; EP 07819360 A 20071026; EP 2007009315 W 20071026; JP 2009533739 A 20071026; US 201313966008 A 20130813; US 44683507 A 20071026