Title (en)
VIDEO ENCODING METHOD AND DEVICE

Title (de)
VIDEOCODIERUNGSVERFAHREN UND -EINRICHTUNG

Title (fr)
PROCEDE ET DISPOSITIF DE CODAGE VIDEO

Publication
EP 1834488 A1 20070919 (FR)

Application
EP 05826580 A 20051215

Priority
• FR 2005003149 W 20051215
• FR 0500172 A 20050107

Abstract (en)
[origin: WO2006075061A1] Successive images (F) of a video sequence are encoded in order to generate parameters which are included in an output flow (F) that is to be transmitted to a decoder. The encoding of certain images is effected in Inter mode relative to one or several previous images of the sequence. The output flow also includes long term marking commands for certain images and demarking commands for previously marked images. Each long-term marked image is kept in a memory by the decoder until a corresponding demarking command is received. Return information on the restoration of the images of the video sequence by the decoder is received by the encoder (1) and analyzed in order to identify an image that has been lost by the decoder. It is possible to encode a following image of the sequence in Inter mode in relation to a long-term marked image in response to identification of an image lost to the decoder.

IPC 8 full level
H04N 7/26 (2006.01); **H04N 7/36** (2006.01); **H04N 19/89** (2014.01); **H04N 19/895** (2014.01)

CPC (source: EP US)
H04N 19/46 (2014.11 - EP US); **H04N 19/67** (2014.11 - EP US); **H04N 19/895** (2014.11 - EP US)

Citation (search report)
See references of WO 2006075061A1

Citation (examination)
• WIEGAND T ET AL: "MOTION-COMPENSATING LONG-TERM MEMORY PREDICTION", PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING. ICIP 1997. SANTA BARBARA, CA, OCT. 26 - 29, 1997; [PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING], LOS ALAMITOS, CA : IEEE, US, vol. 2, 1 January 1997 (1997-01-01), pages 53 - 56, XP000923442, ISBN: 978-0-8186-8184-4
• BERND GIROD ET AL: "Feedback-Based Error Control for Mobile Video Transmission", PROCEEDINGS OF THE IEEE, IEEE. NEW YORK, US, vol. 87, no. 10, 1 October 1999 (1999-10-01), XP011044278, ISSN: 0018-9219

Designated contracting state (EPC)
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DOCDB simple family (application)
FR 0500172 A 20050107; EP 05826580 A 20051215; FR 2005003149 W 20051215; US 79480805 A 20051215