

Title (en)

METHOD AND DEVICE FOR ENCODING A VIDEO SIGNAL

Title (de)

VERFAHREN UND VORRICHTUNG ZUR KODIERUNG EINES VIDEOSIGNALS

Title (fr)

PROCEDE ET DISPOSITIF DE CODAGE D'UN SIGNAL VIDEO

Publication

EP 1057343 A1 20001206 (EN)

Application

EP 99966980 A 19991217

Priority

- EP 99966980 A 19991217
- EP 9910199 W 19991217
- EP 98403322 A 19981229

Abstract (en)

[origin: WO0040031A1] In video communication, quality and delay of the transmission depend on the bit rate control strategy that allows to fit the number of bits generated for a given setting of the coder with the bandwidth. In order to give appropriate guidelines to the coder, a preanalysis step, based on approximate predictions (by means of an empirical law for the motion information and a use of statistics for the content of the picture), is consequently carried out to predict this generated number of bits, and followed by a decision step provided for adjusting the quantization step size and the rate of the successive pictures.

IPC 1-7

H04N 7/50; **H04N 7/26**

IPC 8 full level

H03M 7/30 (2006.01); **H04N 7/26** (2006.01); **H04N 7/30** (2006.01); **H04N 7/46** (2006.01); **H04N 7/50** (2006.01)

CPC (source: EP KR)

H03M 7/46 (2013.01 - KR); **H04N 19/105** (2014.11 - EP); **H04N 19/115** (2014.11 - EP); **H04N 19/124** (2014.11 - EP); **H04N 19/132** (2014.11 - EP); **H04N 19/137** (2014.11 - EP); **H04N 19/149** (2014.11 - EP); **H04N 19/152** (2014.11 - EP); **H04N 19/172** (2014.11 - EP); **H04N 19/174** (2014.11 - EP); **H04N 19/176** (2014.11 - EP); **H04N 19/587** (2014.11 - EP); **H04N 19/61** (2014.11 - EP)

Citation (search report)

See references of WO 0040031A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 0040031 A1 20000706; EP 1057343 A1 20001206; JP 2002534863 A 20021015; KR 20010041441 A 20010525

DOCDB simple family (application)

EP 9910199 W 19991217; EP 99966980 A 19991217; JP 2000591811 A 19991217; KR 20007009588 A 20000829