

Title (en)

METHOD AND APPARATUS FOR BOUND-BASED ADAPTIVE ENTROPY ENCODING/DECODING

Title (de)

VERFAHREN UND VORRICHTUNG ZUR GRENZWERTBASIERTEN ADAPTIVEN ENTROPIECODIERUNG UND -DECODIERUNG

Title (fr)

PROCEDE ET DISPOSITIF DE CODAGE ET DECODAGE ENTROPIQUE ADAPTATIF A PRINCIPE DE BORNAGE

Publication

EP 0847650 A4 20000105 (EN)

Application

EP 97931485 A 19970627

Priority

- US 9711343 W 19970627
- US 67760396 A 19960703

Abstract (en)

[origin: WO9800977A1] The present invention provides an apparatus and method for adaptive encoding/decoding in a multimedia compression system. For encoding, the steps include: A) step (102) for parsing a predetermined number of quantized transform coefficients into a plurality of coefficients groups in a predetermined scanning order and converting the coefficient groups into a plurality of parameter sets according to a predetermined scheme and storing the parameter sets wherein, where a last coefficient group comprises all zero quantized transform coefficients, the last coefficient group is discarded; B) step (104) for sending, in accordance with a signal from the encoder controller, a current parameter set of the plurality of parameter sets in the predetermined scanning order; C) step (106) for adaptively selecting a current entropy encoder based on a state parameter of a last parameter set; and D) step (108) for encoding a current parameter set to provide entropy-encoded information bits. Decoding is accomplished in a fashion that mirrors the encoding method.

IPC 1-7

H04N 7/26; **H04N 7/30**

IPC 8 full level

G06T 9/00 (2006.01); **H04N 7/26** (2006.01); **H04N 7/30** (2006.01)

CPC (source: EP)

H04N 19/126 (2014.11); **H04N 19/132** (2014.11); **H04N 19/136** (2014.11); **H04N 19/18** (2014.11); **H04N 19/124** (2014.11); **H04N 19/13** (2014.11); **H04N 19/146** (2014.11); **H04N 19/60** (2014.11); **H04N 19/91** (2014.11)

Citation (search report)

- [A] WO 9607986 A2 19960314 - UNIV SOUTH FLORIDA [US]
- See references of WO 9800977A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 9800977 A1 19980108; CN 1097957 C 20030101; CN 1197578 A 19981028; EP 0847650 A1 19980617; EP 0847650 A4 20000105

DOCDB simple family (application)

US 9711343 W 19970627; CN 97190840 A 19970627; EP 97931485 A 19970627