

Title (en)

SCALABLE METHOD FOR ENCODING A SERIES OF ORIGINAL IMAGES, AND ASSOCIATED IMAGE ENCODING METHOD, ENCODING DEVICE, AND DECODING DEVICE

Title (de)

SKALIERBARES VERFAHREN ZUR BILDENCODIERUNG EINER FOLGE VON ORIGINALBILDERN, SOWIE DAZUGEHÖRIGES BILDDECODIERVERFAHREN, ENCODIERVORRICHTUNG UND DECODIERVORRICHTUNG

Title (fr)

PROCEDE MODULABLE DE CODAGE D'UNE SERIE D'IMAGES ORIGINALES ET PROCEDE DE DECODAGE ASSOCIE, DISPOSITIF DE CODAGE ET DISPOSITIF DE DECODAGE

Publication

EP 1762100 A1 20070314 (DE)

Application

EP 05749102 A 20050613

Priority

- EP 2005052712 W 20050613
- DE 102004031407 A 20040629

Abstract (en)

[origin: WO2006000533A1] Disclosed is a method for encoding a series of original images, in which a series of decoded images is generated from the series of original images with the aid of a first encoding technique following movement-compensated, predictive encoding, a starting image of a group of successive original images that are to be encoded is defined by means of a second encoding technique following movement-compensated, temporally filtered partial band encoding based on a determined encoding property of a decoded image of said group of images that are to be encoded, said decoded image being used for generating an output image having a low resolution level, before the images are encoded. At least one output image is generated on each level of resolution from the successive original images of the group of images that are to be encoded and from at least one decoded image during image encoding. The invention further relates to an image decoding method by means of which encoded image data obtained by the disclosed image encoding method can be decoded. The invention finally relates to an encoding and decoding device for carrying out the image encoding or image decoding method. The decoded images are provided only with a reduced quality while the reconstituted images are of great quality.

IPC 8 full level

H04N 7/26 (2006.01); **H04N 7/50** (2006.01); **H04N 19/593** (2014.01)

CPC (source: EP US)

H04N 19/114 (2014.11 - EP US); **H04N 19/146** (2014.11 - EP US); **H04N 19/179** (2014.11 - EP US); **H04N 19/61** (2014.11 - EP US); **H04N 19/615** (2014.11 - EP US); **H04N 19/63** (2014.11 - EP US); **H04N 19/102** (2014.11 - EP US); **H04N 19/13** (2014.11 - EP US)

Citation (search report)

See references of WO 2006000533A1

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102004031407 A1 20060126; CN 1993991 A 20070704; CN 1993991 B 20100908; EP 1762100 A1 20070314; US 2008199087 A1 20080821; US 8131088 B2 20120306; WO 2006000533 A1 20060105

DOCDB simple family (application)

DE 102004031407 A 20040629; CN 200580021878 A 20050613; EP 05749102 A 20050613; EP 2005052712 W 20050613; US 63125605 A 20050613