

Title (en)

ADAPTIVE INTERPOLATION IN IMAGE OR VIDEO ENCODING

Title (de)

ADAPTIVE INTERPOLATION BEI DER BILD- ODER VIDEOKODIERUNG

Title (fr)

INTERPOLATION ADAPTATIVE DANS LE CODAGE D'IMAGE OU LE CODAGE VIDEO

Publication

EP 1869889 A1 20071226 (DE)

Application

EP 06725424 A 20060330

Priority

- EP 2006061168 W 20060330
- DE 102005016827 A 20050412

Abstract (en)

[origin: WO2006108765A1] The invention relates to a method for processing and transmission of data (VIDEO), in which image data of an image in the transmitter are provided at a first resolution level (QCIF, CIF) and at a second resolution level (CIF, 4CIF), higher than the first resolution level (QCIF, CIF). At least one interpolation parameter is fixed, for the determination (PREDICT) of image data of the second resolution level (CIF, 4CIF) from image data of the first resolution level (QCIF, CIF). At least some of the image data of the first (QCIF, CIF) and the second resolution levels (CIF, 4CIF) are transmitted, whereby the transmission of the image data of the second resolution level (CIF, 4CIF) depends on the at least one fixed interpolation parameter. Furthermore, a definition of the at least one fixed interpolation parameter is transmitted. The invention further relates to the corresponding receiver method and a transmitter (ENCODER) and receiver (DECODER) for carrying out the method.

IPC 8 full level

H04N 7/26 (2006.01); **H04N 7/46** (2006.01); **H04N 19/593** (2014.01)

CPC (source: EP KR US)

H04N 19/147 (2014.11 - EP US); **H04N 19/154** (2014.11 - EP US); **H04N 19/30** (2014.11 - KR); **H04N 19/51** (2014.11 - KR); **H04N 19/587** (2014.11 - EP US); **H04N 19/59** (2014.11 - EP US)

Citation (search report)

See references of WO 2006108765A1

Citation (examination)

- "Joint Scalable Video Model (JSVM) 1.0 Reference Encoding Algorithm Description", 71. MPEG MEETING; 17-01-2005 - 21-01-2005; HONG KONG; (MOTION PICTURE EXPERT GROUP OR ISO/IEC JTC1/SC29/WG11),, no. N6899, 14 February 2005 (2005-02-14), XP030013619, ISSN: 0000-0349
- "Description of Core Experiments in MPEG-21 Scalable Video Coding", 70. MPEG MEETING; 18-10-2004 - 22-10-2004; PALMA DE MALLORCA; (MOTION PICTURE EXPERT GROUP OR ISO/IEC JTC1/SC29/WG11),, no. N6719, 25 October 2004 (2004-10-25), XP030013498, ISSN: 0000-0350
- SCHWARZ H ET AL: "Scalable extension of H.264", 24. VCEG MEETING; 70. MPEG MEETING; 18-10-2004 - 22-10-2004; PALMA DE MALLORCA, ES; (VIDEO CODING EXPERTS GROUP OF ITU-T SG.16),, no. VCEG-X08, 14 October 2004 (2004-10-14), XP030003425, ISSN: 0000-0453

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006108765 A1 20061019; CN 101194514 A 20080604; CN 101194514 B 20110706; DE 102005016827 A1 20061019; EP 1869889 A1 20071226; JP 2008536417 A 20080904; JP 2012010388 A 20120112; JP 5069218 B2 20121107; JP 5404715 B2 20140205; KR 101303222 B1 20130904; KR 20080006606 A 20080116; US 2009232212 A1 20090917; US 8270489 B2 20120918

DOCDB simple family (application)

EP 2006061168 W 20060330; CN 200680020936 A 20060330; DE 102005016827 A 20050412; EP 06725424 A 20060330; JP 2008505859 A 20060330; JP 2011179107 A 20110818; KR 20077026262 A 20060330; US 91840006 A 20060330