

Title (en)
METHOD AND APPARATUS FOR ENCODING MULTIVIEW VIDEO

Title (de)
VERFAHREN UND VORRICHTUNG ZUM CODIEREN VON MEHRANSICHT-VIDEO

Title (fr)
PROCEDE ET APPAREIL POUR LE CODAGE VIDEO MULTIVUE

Publication
EP 1917814 A4 20110413 (EN)

Application
EP 06783669 A 20060819

Priority
• KR 2006003268 W 20060819
• US 70981105 P 20050822
• KR 20050105728 A 20051105

Abstract (en)
[origin: WO2007024072A1] A method and an apparatus for encoding a multiview video using a minimum amount of information regarding the multiview video are provided. The method includes: categorizing a plurality of B frames into at least two groups according to a predetermined standard; and sequentially encoding the categorized B frames. Therefore, a multiview video which is realistic can be simultaneously provided to many people using a minimum amount of information regarding the multiview video.

IPC 8 full level
H04N 7/32 (2006.01); **H04N 7/26** (2006.01)

CPC (source: EP)
H04N 19/105 (2014.11); **H04N 19/159** (2014.11); **H04N 19/187** (2014.11); **H04N 19/577** (2014.11); **H04N 19/597** (2014.11); **H04N 19/61** (2014.11)

Citation (search report)
• [XAY] US 2003202592 A1 20031030 - SOHN KWANG HOON [KR], et al
• [XYI] "Survey of Algorithms used for Multi-view Video Coding (MVC)", ITU STUDY GROUP 16 - VIDEO CODING EXPERTS GROUP -ISO/IEC MPEG & ITU-T VCEG(ISO/IEC JTC1/SC29/WG11 AND ITU-T SG16 Q6), no. N6909, 21 January 2005 (2005-01-21), XP030013629
• [A] MASAYUKI TANIMOTO ET AL: "Response to Call for Evidence on Multi-View Video Coding", ITU STUDY GROUP 16 - VIDEO CODING EXPERTS GROUP -ISO/IEC MPEG & ITU-T VCEG(ISO/IEC JTC1/SC29/WG11 AND ITU-T SG16 Q6), XX, XX, no. M11762, 17 January 2005 (2005-01-17), XP030040507
• [A] BAOCHUN BAI ET AL: "An Efficient Multiview Video Compression Scheme", IEEE INTERNATIONAL CONFERENCE ON MULTIMEDIA AND EXPO, 2005. ICME 2005. AMSTERDAM, THE NETHERLANDS, 06-08 JULY 2005, IEEE, PISCATAWAY, NJ, USA, 6 July 2005 (2005-07-06), pages 836 - 839, XP010844286, ISBN: 978-0-7803-9331-8, DOI: 10.1109/ICME.2005.1521553
• [A] GUOPING LI ET AL: "A novel multi-view video coding scheme based on H.264", INFORMATION, COMMUNICATIONS AND SIGNAL PROCESSING, 2003 AND FOURTH PACIFIC RIM CONFERENCE ON MULTIMEDIA. PROCEEDINGS OF THE 2003 JOINT CONFERENCE OF THE FOURTH INTERNATIONAL CONFERENCE ON SINGAPORE 15-18 DEC. 2003, PISCATAWAY, NJ, USA, IEEE, vol. 1, 15 December 2003 (2003-12-15), pages 493 - 497, XP010703019, ISBN: 978-0-7803-8185-8, DOI: 10.1109/ICICS.2003.1292501
• [XP] KARSTEN MUELLER ET AL: "Multi-view Video Coding Based on H.264/AVC Using Hierarchical B-Frames", 25. PICTURE CODING SYMPOSIUM;24-4-2006 - 26-4-2006; BEIJING., 24 April 2006 (2006-04-24), XP030080281
• See references of WO 2007024072A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 2007024072 A1 20070301; CN 101243692 A 20080813; CN 101243692 B 20100526; EP 1917814 A1 20080507; EP 1917814 A4 20110413; JP 2009505604 A 20090205; MX 2008002391 A 20080318

DOCDB simple family (application)
KR 2006003268 W 20060819; CN 200680030315 A 20060819; EP 06783669 A 20060819; JP 2008527838 A 20060819; MX 2008002391 A 20060819