

Title (en)

METHOD AND APPARATUS FOR SCALABLE VIDEO ADAPTATION USING ADAPTATION OPERATORS FOR SCALABLE VIDEO

Title (de)

VERFAHREN UND VORRICHTUNG ZUR SKALIERBAREN VIDEOANPASSUNG UNTER VERWENDUNG VON ANPASSUNGSOPERATOREN FÜR SKALIERBARES VIDEO

Title (fr)

PROCEDE ET APPAREIL D'ADAPTATION D'UNE VIDEO SCALABLE UTILISANT DES OPERATEURS D'ADAPTATION

Publication

EP 1932354 A4 20110105 (EN)

Application

EP 06799070 A 20061002

Priority

- KR 2006003989 W 20061002
- KR 20050094386 A 20051007
- KR 20050127710 A 20051222
- KR 20060097262 A 20061002

Abstract (en)

[origin: WO2007043770A1] An apparatus for and method of adapting a bitstream to which scalable video coding (SVC) technology is applied are provided. The apparatus for adapting a bitstream includes: an Adaptation QoS information extraction unit extracting SVC adaptation operators, and relationships between the SVC adaptation operators and the usage environment information of a terminal from the Adaptation QoS information on the bitstream to which SVC technology is applied; an Adaptation Decision Taking Engine(ADTE) unit determining the SVC adaptation operators corresponding to the usage environment of the terminal receiving the transmitted bitstream among the SVC adaptation operators; and a SVC bitstream extraction unit extracting the bitstream based on the determined SVC adaptation operator. According to the apparatus and method, scalable video can be efficiently provided for changing network environments and multimedia usage environments, through adaptation of scalable video streams using an adaptation operator suggested in Classification Scheme (AQoSJDS).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] EP 1478181 A1 20041117 - SONY CORP [JP]
- [A] US 2002071486 A1 20020613 - VAN DER SCHAAR MIHAELA [US], et al
- [A] US 2002090138 A1 20020711 - HAMANAKA AKIYOSHI [JP]
- [X] JVT: "Joint Scalable Video Model JSVM-2", JOINT VIDEO TEAM (JVT) OF ISO/IEC MPEG & ITU-T VCEG(ISO/IEC JTC1/SC29/WG11 AND ITU-T SG16 Q6), XX, XX, 16 April 2005 (2005-04-16), pages 1 - 31, XP002399745
- See references of WO 2007043770A1

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