

Title (en)

SYSTEM AND METHOD FOR VIDEOCONFERENCING USING SCALABLE VIDEO CODING AND COMPOSITING SCALABLE VIDEO
CONFERENCING SERVERS

Title (de)

SYSTEM UND VERFAHREN FÜR VIDEOKONFERENZEN UNTER VERWENDUNG SKALIERBARER VIDEOCODIERUNG UND
ZUSAMMENSETZUNG VON SKALIERBAREN VIDEOKONFERENZSERVERN

Title (fr)

SYSTEME ET PROCEDE POUR LA VIDEOCONFERENCE UTILISANT LE DECODAGE VIDEO ECHELONNABLE ET SERVEURS DE
VIDEOCONFERENCE DE COMPOSITION D'IMAGES

Publication

EP 1985116 A4 20130605 (EN)

Application

EP 06846796 A 20061222

Priority

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Abstract (en)

[origin: WO2007076486A2] Systems and methods for videoconferencing are provided. The systems use scalable video coding techniques and a compositing scalable video coding server (CSVCS) to composite input video signals from transmitting conferencing participants into one single output video signal forwarded to a receiving participant. The server is configured to composite the input video signals pictures without decoding, rescaling, and re-encoding of the signals.

IPC 8 full level

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CPC (source: EP)

H04N 7/152 (2013.01); **H04N 19/31** (2014.11); **H04N 19/66** (2014.11); **H04N 19/70** (2014.11); **H04N 19/89** (2014.11)

Citation (search report)

- [XYI] US 2005231588 A1 20051020 - YANG CHIH-LUNG [TW], et al
- [X] US 2005008240 A1 20050113 - BANERJI ASHISH [US], et al
- [A] WO 03063505 A1 20030731 - NOKIA CORP [FI], et al
- [Y] "Packet-based multimedia communications systems; H.323 (07/03)", ITU-T STANDARD SUPERSEDED (S), INTERNATIONAL TELECOMMUNICATION UNION, GENEVA, CH, no. H.323 (07/03), 14 July 2003 (2003-07-14), XP017404819
- [A] TILL HALBACH AND STEFFEN OLSEN: "Error robustness evaluation of H.264/MPEG-4 AVC", VISUAL COMMUNICATIONS AND IMAGE PROCESSING; 20-1-2004 - 20-1-2004; SAN JOSE., 20 January 2004 (2004-01-20), XP030081324
- [XP] ALEXANDROS ELEFThERIADIS ET AL: "Multipoint videoconferencing with scalable video coding", JOURNAL OF ZHEJIANG UNIVERSITY SCIENCE A; AN INTERNATIONAL APPLIED PHYSICS & ENGINEERING JOURNAL, SPRINGER, BERLIN, DE, vol. 7, no. 5, 1 May 2006 (2006-05-01), pages 696 - 705, XP019385029, ISSN: 1862-1775, DOI: 10.1631/JZUS.2006.A0696
- See references of WO 2007076486A2

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DOCDB simple family (publication)

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