

Title (en)

VIDEO ENCODING AND DECODING METHODS AND SYSTEMS FOR VIDEO STREAMING SERVICE

Title (de)

VIDEOCODIERUNGS- UND -DECODIERUNGSVERFAHREN UND -SYSTEME FÜR VIDEO-STREAMING-DIENST

Title (fr)

PROCEDES DE CODAGE ET DECODAGE VIDEO ET SYSTEMES POUR SERVICE DE VIDEO EN DEBIT CONTINU

Publication

EP 1721465 A4 20090121 (EN)

Application

EP 05726745 A 20050225

Priority

- KR 2005000520 W 20050225
- US 54954404 P 20040304
- KR 20040028487 A 20040424

Abstract (en)

[origin: WO2005086487A1] Video encoding and decoding methods and systems for video streaming are provided. The video encoding method includes encoding first resolution frames using scalable video coding, upsampling the first resolution frames to a second resolution, and encoding second resolution frames using scalable video coding with reference to upsampled versions of the first resolution frames.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] WO 02054776 A1 20020711 - NOKIA CORP [FI], et al
- [DX] WO 0147283 A1 20010628 - GEN INSTRUMENT CORP [US]
- [X] ANDREOPOULOS Y ET AL: "Spatio-temporal-SNR scalable wavelet coding with motion compensated DCT base-layer architectures", PROCEEDINGS 2003 INTERNATIONAL CONFERENCE ON IMAGE PROCESSING. ICIP-2003. BARCELONA, SPAIN, SEPT. 14 - 17, 2003; [INTERNATIONAL CONFERENCE ON IMAGE PROCESSING], NEW YORK, NY : IEEE, US, vol. 2, 14 September 2003 (2003-09-14), pages 795 - 798, XP010669923, ISBN: 978-0-7803-7750-9
- [X] RADHA H ET AL: "Scalable Internet video using MPEG-4", SIGNAL PROCESSING. IMAGE COMMUNICATION, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 15, no. 1-2, 1 September 1999 (1999-09-01), pages 95 - 126, XP004180640, ISSN: 0923-5965
- [A] ULRICH BENZLER: "Spatial Scalable Video Coding Using a Combined Subband-DCT Approach", IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, vol. 10, no. 7, 1 October 2000 (2000-10-01), XP011014107, ISSN: 1051-8215
- See references of WO 2005086487A1

Citation (examination)

GREGORY J. CONKLIN ET AL: "Video Coding for Streaming Media Delivery on the Internet", IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, vol. 11, no. 3, 1 March 2001 (2001-03-01), XP011014170, ISSN: 1051-8215

Designated contracting state (EPC)

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DOCDB simple family (application)

KR 2005000520 W 20050225; CA 2557312 A 20050225; EP 05726745 A 20050225; JP 2007501706 A 20050225