Title (en)
IMPROVED ENHANCEMENT LAYER CODING FOR SCALABLE VIDEO CODING

Title (de)
VERBESSERTE ENHANCEMENT-LAYER-CODIERUNG FÜR DIE SKALIERBARE VIDEOCODIERUNG

Title (fr)
CODAGE DE COUCHE D'AMÉLIORATION PERFECTIONNÉ POUR UN CODAGE VIDÉO ÉCHELONNABLE

Publication
EP 2213099 A1 20100804 (EN)

Application
EP 08839798 A 20081015

Priority
• US 2008080034 W 20081015
• US 97991907 P 20071015
• US 98021407 P 20071016
• US 25078408 A 20081014

Abstract (en)
[origin: WO2009052206A1] This disclosure describes scalable video coding techniques. In particular, the techniques may be used to encode refinements of a video block for enhancement layer bit streams in a single coding pass, thereby reducing coding complexity, coding delay and memory requirements. In some instances, the techniques encode each nonzero coefficient of a coefficient vector of the enhancement layer without knowledge of any subsequent coefficients. Coding the enhancement layer in a single pass may eliminate the need to perform a first pass to analyze the coefficient vector and a second pass for coding the coefficient vector based on the analysis.

IPC 8 full level
H04N 7/26 (2006.01); **H04N 7/30** (2006.01)

CPC (source: EP)
H04N 19/10 (2014.11); **H04N 19/30** (2014.11); **H04N 19/34** (2014.11); **H04N 19/36** (2014.11); **H04N 19/60** (2014.11); **H04N 19/91** (2014.11)

Citation (search report)
See references of WO 2009052206A1

Citation (examination)
WEIPING LI ET AL: "Overview of fine granularity scalability in MPEG-4 video standard", IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, vol. 11, no. 3, 1 March 2001 (2001-03-01), pages 301 - 317, XP055043192, ISSN: 1051-8215, DOI: 10.1109/76.911157

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
WO 2009052206 A1 20090423; BR PI0818077 A2 20150331; CA 2702488 A1 20090423; CA 2702488 C 20130402; CN 101855908 A 20101006; CN 101855908 B 20121121; EP 2213099 A1 20100804; JP 2011501572 A 20110106; JP 2013051699 A 20130314; JP 5248619 B2 20130731; JP 5456867 B2 20140402; KR 101147943 B1 20120523; KR 20100066584 A 20100617; RU 2010119448 A 20111127; RU 2463728 C2 20121010; TW 200934250 A 20090801; TW I408965 B 20130911

DOCDB simple family (application)
US 2008080034 W 20081015; BR PI0818077 A 20081015; CA 2702488 A 20081015; CN 200880115482 A 20081015; EP 08839798 A 20081015; JP 2010530087 A 20081015; JP 2012221420 A 20121003; KR 20107010570 A 20081015; RU 2010119448 A 20081015; TW 97139596 A 20081015