Title (en)
VIDEO CODING MODE SELECTION USING ESTIMATED CODING COSTS

Title (de)
VIDEOCODIERUNGSMODUSAUSWAHL UNTER VERWENDUNG GESCHÄTZTER CODIERUNGSKOSTEN

Title (fr)
SÉLECTION DE MODE D'ENCODAGE VIDÉO EN UTILISANT DES COÛTS D'ENCODAGE ESTIMÉS

Publication
EP 2156672 A1 20100224 (EN)

Application
EP 07761930 A 20070504

Priority
US 2007068307 W 20070504

Abstract (en)
[origin: WO2008136828A1] This disclosure describes techniques for coding mode selection using estimated coding costs. To provide high compression efficiency, for example, an encoding device may attempt to select a coding mode for coding blocks of pixels that codes the data of the blocks with high efficiency. To this end, the encoding device may perform coding mode selection based on estimates of coding cost for at least a portion of the possible modes. In accordance with the techniques described herein, the encoding device estimates the coding cost for the different modes without actually coding the blocks. In fact, in some aspects, the encoding module device may estimate the coding cost for the modes without quantizing the data of the block for each mode. In this manner, the coding cost estimation techniques of this disclosure reduce the amount of computationally intensive calculations needed to perform effective mode selection.

IPC 8 full level
H04N 7/26 (2006.01); **H04N 7/50** (2006.01); **H04N 19/103** (2014.01); **H04N 19/60** (2014.01)

CPC (source: EP KR)
H04N 19/103 (2014.11 - KR); **H04N 19/107** (2014.11 - EP); **H04N 19/109** (2014.11 - EP); **H04N 19/11** (2014.11 - EP); **H04N 19/147** (2014.11 - EP); **H04N 19/149** (2014.11 - EP); **H04N 19/176** (2014.11 - EP); **H04N 19/19** (2014.11 - EP); **H04N 19/60** (2014.11 - KR); **H04N 19/61** (2014.11 - EP)

Citation (search report)
See references of WO 2008136828A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
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