

Title (en)
SYSTEMS AND METHODS OF ENCODING MULTIPLE VIDEO STREAMS WITH ADAPTIVE QUANTIZATION FOR ADAPTIVE BITRATE STREAMING

Title (de)
SYSTEME UND VERFAHREN ZUR CODIERUNG MEHRERER VIDEO-STREAMS MIT ADAPTIVER QUANTISIERUNG ZUM STREAMING MIT ADAPTIVER BITRATE

Title (fr)
SYSTÈMES ET PROCÉDÉS POUR CODER DE MULTIPLES FLUX VIDÉO PAR QUANTIFICATION ADAPTATIVE POUR DIFFUSION EN FLUX À DÉBIT BINAIRE ADAPTATIF

Publication
EP 3005689 A4 20170111 (EN)

Application
EP 14800901 A 20140523

Priority

- US 201361827512 P 20130524
- US 201313931449 A 20130628
- US 2014039425 W 20140523

Abstract (en)
[origin: WO2014190308A1] A method for encoding source video as alternative video streams includes collecting statistics on source video data and writing statistics to shared memory in a first pass through received multimedia content, where the statistics include complexity measures of blocks of pixels, determining initial encoding information for source video data and writing initial encoding information to shared memory during the first pass, encoding the source video data in parallel using collected statistics and initial encoding information to produce alternative video streams during a second pass, and parallel encoding processes reuse additional encoding information that has already been determined for a portion of video and generate additional encoding information that has not already been determined for a portion of video, where the additional encoding information includes quantization parameters for blocks of pixels.

IPC 8 full level
H04N 19/124 (2014.01); **H04N 19/14** (2014.01); **H04N 19/176** (2014.01); **H04N 19/194** (2014.01); **H04N 19/436** (2014.01); **H04N 19/61** (2014.01)

CPC (source: EP KR)
H04N 19/103 (2014.11 - KR); **H04N 19/124** (2014.11 - EP); **H04N 19/14** (2014.11 - EP); **H04N 19/176** (2014.11 - EP); **H04N 19/194** (2014.11 - EP); **H04N 19/436** (2014.11 - EP KR); **H04N 19/61** (2014.11 - EP); **H04N 21/236** (2013.01 - KR)

Citation (search report)

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- See references of WO 2014190308A1

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Designated contracting state (EPC)
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DOCDB simple family (application)
US 2014039425 W 20140523; CN 201480038648 A 20140523; EP 14800901 A 20140523; JP 2016515129 A 20140523; KR 20157036373 A 20140523; KR 20187002004 A 20140523