

Title (en)

Optimization of MP3 encoding with complete decoder compatibility

Title (de)

Optimierung von MP3-Kodierung mit vollständiger Dekodiererkompatibilität

Title (fr)

Optimisation de codage MP3 avec compatibilité complète de décodeur

Publication

EP 2192577 B1 20111102 (EN)

Application

EP 08170396 A 20081201

Priority

EP 08170396 A 20081201

Abstract (en)

[origin: EP2192577A1] An iterative rate-distortion optimization algorithm for MPEG I/II Layer-3 (MP3) encoding based on the method of Lagrangian multipliers. Generally, an iterative method is performed such that a global quantization step size is determined while scale factors are fixed, and thereafter the scale factors are determined while the global quantization step size is fixed. This is repeated until a calculated rate-distortion cost is within a predetermined threshold. The methods are demonstrated to be computationally efficient and the resulting bit stream is fully standard compatible.

IPC 8 full level

G10L 19/02 (2006.01); **G10L 19/035** (2013.01)

CPC (source: EP)

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Cited by

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Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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