Title (en)

Method and apparatus for avoiding unmasking of coding noise when mixing perceptually coded multi-channel audio signals

Title (de)

Verfahren und Vorrichtung zur Verhinderung der Demaskierung von Codierungsrauschen beim Mischen wahrnehmungscodierter Mehrkanal-Audiosignale

Title (fr)

Procédé et appareil pour éviter de démasquer le bruit de codage lors du mixage de signaux audio multicanaux perceptuellement codés

Publication

EP 2688065 A1 20140122 (EN)

Application

EP 12305860 A 20120716

Priority

EP 12305860 A 20120716

Abstract (en)

Playback of certain multi-channel audio signal representations on a particular loudspeaker set-up requires a special rendering, which usually consists of a matrixing operation. If a particular individual loudspeaker set-up on which the matrix of the matrixing operation depends is not known at the perceptual coding stage, a noise unmasking problem occurs. According to the invention, this problem can be solved by decorrelating the individual audio channel signals before perceptual encoding and recorrelating them after the perceptual decoding.

IPC 8 full level

G10L 19/008 (2013.01); **H04S 3/02** (2006.01)

CPC (source: EP)

G10L 19/008 (2013.01); **H04S 3/02** (2013.01)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2688065 A1 20140122

DOCDB simple family (application)

EP 12305860 A 20120716