

Title (en)
IMPROVED ENCODING OF MULTICHANNEL DIGITAL AUDIO SIGNALS

Title (de)
VERBESSERTE CODIERUNG VON MEHRKANALIGEN DIGITALEN AUDIOSIGNALEN

Title (fr)
CODAGE PERFECTIONNE DE SIGNAUX AUDIONUMERIQUES MULTICANAUX

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Application
EP 09803838 A 20091211

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Abstract (en)
[origin: WO2010070225A1] The invention relates to a method for encoding a multichannel audio signal representing a sound scene including a plurality of sound sources. Said method is characterised in that it comprises a step of decomposing (T) the multichannel signal into a frequency band, and the following steps of, by frequency band, obtaining (OBT) directivity information for each sound source of the sound scene, the information being representative of the space distribution of the sound source of the sound scene, selecting (Select) a set of sound sources in the sound scene defining the main sources, mastering (M) the selected main sources in order to obtain a sum signal with a reduced number of channels, encoding (Cod.Di) the directivity information, and forming (Con.Fb) a binary flow including the encoded directivity information, wherein the binary flow can be transmitted in parallel with the sum signal. The invention also relates to a decoding method for decoding the sum signal and the directivity information in order to obtain a multichannel signal, and to a related encoder and decoder.

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G10L 19/00 (2006.01); **G10L 19/008** (2013.01)

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Cited by
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