

Title (en)

Method and apparatus for encoding and for decoding directional side information

Title (de)

Verfahren und Vorrichtung zur Codierung und Decodierung gerichteter Nebeninformationen

Title (fr)

Procédé et appareil de codage et de décodage d'informations secondaires directionnelles

Publication

EP 2860728 A1 20150415 (EN)

Application

EP 13306391 A 20131009

Priority

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Abstract (en)

A Higher Order Ambisonics (HOA) representation causes a high data rate. Thus, compression of HOA representations is desirable by decomposing the HOA representation into a directional component and a residual ambient component. The directional component requires directional side information. The overall compression can be improved by coding (18) that directional side information using a specific quantisation of dominant signal direction values (k), and by establishing a vector ($a(k)$) that defines which directions from a set of pre-defined directions are present in a current audio signal frame ($C(k)$).

IPC 8 full level

G10L 19/008 (2013.01); **H04S 3/00** (2006.01)

CPC (source: EP)

G10L 19/008 (2013.01); **H04S 2420/03** (2013.01); **H04S 2420/11** (2013.01)

Citation (applicant)

- EP 12305537 A 20120514
- EP 12306569 A 20121212
- EP 13305558 A 20130429
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Citation (search report)

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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)

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