

Title (en)
OMNI-DIRECTIONAL ENCODING AND DECODING FOR AMBISONICS

Title (de)
OMNIDIREKTIONALE CODIERUNG UND DECODIERUNG FÜR AMBISONICS

Title (fr)
CODAGE ET DÉCODAGE OMNIDIRECTIONNELS POUR AMBIOPHONIE

Publication
EP 3977447 A1 20220406 (EN)

Application
EP 20746393 A 20200529

Priority
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Abstract (en)
[origin: WO2020243535A1] Systems and methods discussed herein are directed to ambisonic signal processing. In an example, a primary ambisonic signal can be encoded with an imbalance in its panning equations or components. The imbalance can be due to an intentionally-encoded omnidirectional or middle-channel signal such as can be intended for rendering using other than an active ambisonic decoder. In an example, a method for decomposing the primary ambisonic signal can include determining a secondary ambisonic signal for passive decoding using information about a difference between the total energy of X, Y, and Z components and the total energy of the W component of the primary ambisonic signal.

IPC 8 full level
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Citation (search report)
See references of WO 2020243535A1

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