

Title (en)

METHOD FOR INTERPOLATING A SOUND FIELD AND CORRESPONDING COMPUTER PROGRAM PRODUCT AND DEVICE

Title (de)

VERFAHREN ZUR INTERPOLATION EINES SCHALLFELDES UND ZUGEHÖRIGES COMPUTERPROGRAMMPRODUKT UND VORRICHTUNG

Title (fr)

PROCÉDÉ D'INTERPOLATION D'UN CHAMP SONORE, PRODUIT PROGRAMME D'ORDINATEUR ET DISPOSITIF CORRESPONDANTS

Publication

**EP 3895446 A1 20211020 (FR)**

Application

**EP 19816809 A 20191213**

Priority

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- EP 2019085175 W 20191213

Abstract (en)

[origin: WO2020120772A1] The invention relates to a method for interpolating a sound field sensed by a plurality of N microphones each delivering the sound field encoded in a form comprising at least one sensed pressure and an associated pressure gradient vector. Such a method comprises interpolating the sound field at an interpolation position delivering an interpolated encoded sound field expressed as a linear combination of the N encoded sound fields each weighted by a corresponding weighting factor. The interpolation comprises estimating the N weighting factors from at least: - the interpolation position; - a position of each of the N microphones; - the N pressures sensed by the N microphones; and - an estimated strength of the sound field at the interpolation position.

IPC 8 full level

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CPC (source: EP US)

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