

Title (en)
AUDIO APPARATUS AND METHOD OF OPERATION THEREFOR

Title (de)
AUDIOVORRICHTUNG UND VERFAHREN ZUM BETRIEB DAVON

Title (fr)
APPAREIL AUDIO ET SON PROCÉDÉ DE FONCTIONNEMENT

Publication
EP 4210352 A1 20230712 (EN)

Application
EP 22150861 A 20220111

Priority
EP 22150861 A 20220111

Abstract (en)
An audio apparatus comprises a receiver (201) receiving an audio signal and a geometric model for an audio source object. The geometric model may be a polygon mesh. A position circuit (203) determines a set of point audio source positions for the audio source object based on the geometric model such that the point audio source positions are spatially distributed within the audio source object. A point audio signal generator (205) generates a point audio source signal for the point audio source positions from the audio signal. In some cases, the point audio signal may be a copy of the received audio signal. A data generator (207) generates a data representation of the audio source object comprising the set of point audio source positions and the at least one point audio source signal. A renderer (301) may render the audio source object by rendering point audio source signals from the point audio source positions.

IPC 8 full level
H04S 7/00 (2006.01)

CPC (source: EP)
H04S 7/302 (2013.01); **H04S 2400/11** (2013.01); **H04S 2400/13** (2013.01)

Citation (applicant)
US 9654895 B2 20170516 - BREEBAART DIRK JEROEN [AU], et al

Citation (search report)
• [X1] US 2017223476 A1 20170803 - BREEBAART DIRK JEROEN [AU], et al
• [XA] US 2006165238 A1 20060727 - SPILLE JENS [DE], et al
• [XA] US 2020145773 A1 20200507 - ARTEAGA DANIEL [ES], et al

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

Designated validation state (EPC)
KH MA MD TN

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