

Title (en)
AUDIO PROCESSING

Title (de)
AUDIOVERARBEITUNG

Title (fr)
TRAITEMENT AUDIO

Publication
EP 3745744 A2 20201202 (EN)

Application
EP 20176223 A 20200525

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GB 201907601 A 20190529

Abstract (en)
An apparatus for processing an input audio signal comprising multiple channels, the apparatus comprising: means for deriving, based on the input audio signal, a first signal component, comprising at least one input channel, and a second signal component, comprising multiple input channels, wherein the first signal component is dependent upon at least a first portion of a spatial audio image conveyed by the input audio signal, and the second signal component is dependent upon at least a second portion of the spatial audio image that is different to the first portion; cross-channel mixing means for cross-channel mixing of a plurality of input channels; means for directing the second signal component to the cross-channel mixing means for cross-channel mixing of at least some of the multiple input channels of the second signal component to produce a modified second signal component; bypass means for enabling the first signal component to bypass the cross-channel mixing means; and means for combining the first signal component and the modified second signal component into an output audio signal comprising two output channels configured for rendering by headphone apparatus.

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H04S 3/00 (2006.01)

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Cited by
EP4035425A4; EP4340396A1; WO2021058858A1

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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

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