

Title (en)
DEVICE AND METHOD FOR THE GENERATION, STORAGE OR PROCESSING OF AN AUDIO REPRESENTATION OF AN AUDIO SCENE

Title (de)
VORRICHTUNG UND VERFAHREN ZUM ERZEUGEN, SPEICHERN ODER BEARBEITEN EINER AUDIODARSTELLUNG EINER AUDIOSZENE

Title (fr)
DISPOSITIF ET PROCEDE DE PRODUCTION, DE MISE EN MEMOIRE OU DE TRAITEMENT D'UNE REPRESENTATION AUDIO D'UNE SCENE AUDIO

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Abstract (en)
[origin: WO2005017877A2] The invention relates to a device for the generation, storage or processing of an audio representation of an audio scene, comprising an audio processing device (12), for the generation of a number of loudspeaker signals from a number of input channels (16) and a device (10), for the generation of an object-oriented description of the audio scene, whereby the object-oriented description of the audio scene comprises a number of audio objects, whereby an audio object is provided with an audio signal, a starting time and a completion time. The device for the generation is further characterised by a display device (18), for the display of the object-oriented description of the audio scene on the number of input channels, whereby an allocation of temporally-overlapping audio objects to parallel input channels is carried out by the display device, whilst sequential audio objects are allocated to the same channel. An object-oriented representation is thus transformed into a channel-oriented representation, whereby on the object-oriented side the optimal representation of a scene on that side may be used whilst retaining the channel-oriented concept familiar to the user on the channel-oriented side.

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