

Title (en)
BINAURAL SPATIALIZATION OF COMPRESSION-ENCODED SOUND DATA

Title (de)
BINAURALE SPATIALISIERUNG KOMPRESSIONSVERSCHLÜSSELTER TONDATEN

Title (fr)
SPATIALISATION BINAURALE DE DONNEES SONORES ENCODEES EN COMPRESSION

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Application
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Abstract (en)
[origin: WO2008003881A1] The invention is aimed at improving the quality of the filtering by transfer functions of HRTF type of signals (L, R) compressed in a transformed domain, for binaural playback on two channels (L-BIN, R-BIN), using a combination of HRTF filters (h_L, h_R, h_{L,R}) including a decorrelated version (HRTF-C*, HRTF-E*) of a few of these filters. For this purpose, a decorrelation cue is given with spatialization parameters (SPAT) accompanying the compressed signals (L, R). The invention makes it possible to improve the broadening in the binaural rendition of audio scenes initially in a multi-channel format.

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