

Title (en)

METHOD AND APPARATUS FOR GENERATING A SECOND AUDIO SIGNAL FROM A FIRST AUDIO SIGNAL

Title (de)

VERFAHREN UND ANORDNUNG ZUR ERZEUGUNG EINES ZWEITEN AUDIOSIGNALES VON EINEM ERSTEN AUDIOSIGNAL

Title (fr)

PROCEDE ET APPAREIL DE GENERATION D'UN SECOND SIGNAL AUDIO A PARTIR D'UN PREMIER SIGNAL AUDIO

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Application

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Abstract (en)

[origin: WO0119138A2] A method of generating a second decorrelated audio signal from a first audio signal, for use in synthesising a 3D sound field, includes: a) deriving from the first signal a first delayed signal; b) multiplying this first delayed signal by a gain factor between zero and minus one to give a first delayed gain-adjusted signal; c) deriving from the first audio signal a second delayed signal, having a different delay time from the first delayed signal; d) multiplying this second delayed signal by a gain factor between zero and plus one (such that the said gain factors sum to zero) to give a second delayed gain-adjusted signal; e) combining said first and said second delayed gain-adjusted signals with the first audio signal to provide a second decorrelated audio signal. The first and second delayed signals are delayed by time periods which change in a substantially random manner.

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