

Title (en)

A method of processing a plural channel audio signal

Title (de)

Verfahren zur Mehrkanal-Tonsignalverarbeitung

Title (fr)

Procedé de traitement d'un signal audio à plusieurs canaux

Publication

**EP 0975201 A3 20050608 (EN)**

Application

**EP 99305562 A 19990712**

Priority

GB 9816059 A 19980724

Abstract (en)

[origin: EP0975201A2] A method of processing a plural channel audio signal representing a three dimensional sound-field for generation by respective left and right loudspeakers arranged at a given distance from a listener, including:- a) choosing a distance between said loudspeakers and said listener; b) determining from this chosen distance an optimal amount of transaural crosstalk compensation, the optimal amount being a function of the chosen distance; and c) applying said optimal amount of crosstalk compensation to said left and right channels. The optimal transaural crosstalk cancellation is preferably achieved using a near ear response transfer function and a far ear response transfer function which asymptotically approach different values at low frequencies. The method may further include choosing an angle between the left channel loudspeaker and the right channel loudspeaker, and determining from both the chosen angle and the chosen distance an optimal amount of transaural crosstalk compensation. <IMAGE>

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CPC (source: EP)

**H04S 1/002** (2013.01)

Citation (search report)

- [X] US 5384851 A 19950124 - FUJIMORI JUNICHI [JP]
- [A] EP 0833302 A2 19980401 - YAMAHA CORP [JP]
- [A] US 4192969 A 19800311 - IWAHARA MAKOTO [JP]

Cited by

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**EP 0975201 A2 20000126**; **EP 0975201 A3 20050608**; **EP 0975201 B1 20130410**; GB 2340005 A 20000209; GB 2340005 B 20030319; GB 9816059 D0 19980923; JP 2000059892 A 20000225

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