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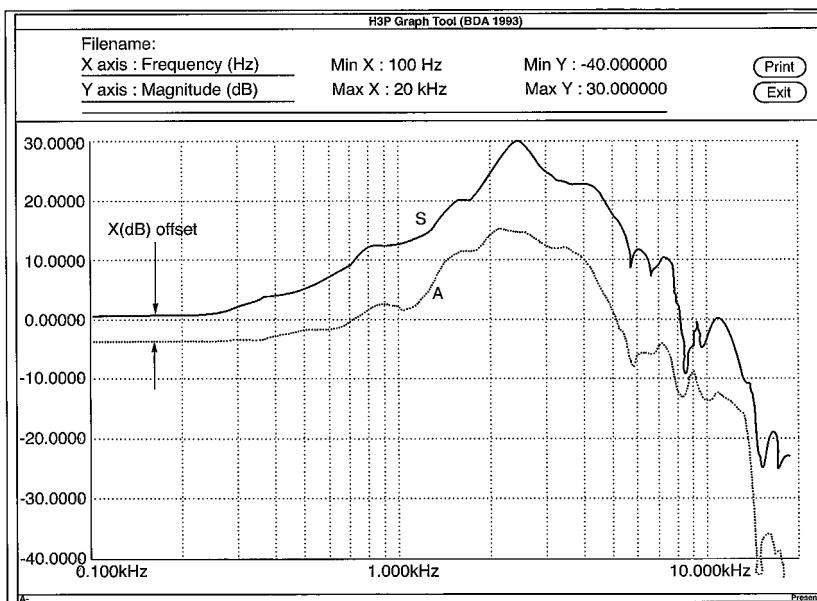
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(54) **A method of processing a plural channel audio signal**

(57) 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 cross-

talk 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.

Fig.9.



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EUROPEAN SEARCH REPORT

Application Number
EP 99 30 5562

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 18 April 2005	Examiner Moscu, V
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X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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