

Title (en)  
APPARATUS FOR PROCESSING STEREOPHONIC SIGNALS

Title (de)  
VORRICHTUNG ZUR VEARBEITUNG VON STEREOSIGNALLEN

Title (fr)  
PROCEDE RELATIF A DES SIGNAUX STEREO

Publication  
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Application  
**EP 97908378 A 19970320**

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Abstract (en)  
[origin: WO9737514A1] In order to simplify filter construction in a circuit which can be used for crosstalk cancellation in binaural signals to be played through loudspeakers, the circuit includes first and second signal paths for receiving as inputs, left and right binaural signals LEFT-IN, RIGHT-IN. The first signal path (14) includes a first summing junction (10) and the second signal path includes a second summing junction (12). The output of summing junction (10) is coupled by a first cross-path (14) to an input of summing junction (12), and the output of summing junction (12) is coupled by a second cross-path (22) to an input of junction (10). The first and second cross-paths include respective first and second filter means (17, 25) which include crosstalk filters (18, 26) each having a transfer function A/S, where A and S represent far-ear and near-ear HRTFs. The outputs of the summing junctions (10, 12) represent output signals LEFT-OUT, RIGHT-OUT, incorporating crosstalk cancellation.

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