

Title (en)

SELF-DAMPING SPEAKER MATCHING DEVICE AND METHOD

Title (de)

VERFAHREN UND VORRICHTUNG ZUR SELBSTDÄMPFENDEN LAUTSPRECHERANPASSUNG

Title (fr)

DISPOSITIF ET PROCEDE D'ADAPTATION DE HAUT-PARLEURS A AMORTISSEMENT AUTOMATIQUE

Publication

**EP 0761074 A1 19970312 (EN)**

Application

**EP 94908926 A 19940317**

Priority

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Abstract (en)

[origin: WO9525413A1] A damping circuit for speaker systems of the type containing at least one speaker having a speaker coil with an input and an output connection and having a matching coil (20, 60, 64) adapted to be connected in series with the input connection of the speaker coil and a damping coil (22, 62, 66) adapted to be connected in series with the output connection of the speaker coil, the matching and damping coils each having respective input ends (24, 26, 68, 72, 76, 80) and output ends (28, 70, 74, 78, 82), and being wound on a common support (36) in the same direction with their respective input ends together, and with their respective output ends together, and the turns of one coil alternating with the turns of the other coil, and having a unity coefficient of coupling, so that the primary signal current flows through both coils in the same direction, whereby to reduce noise signals in the speaker coil. Also disclosed is an audio signal reproducing system, and a method of damping distortion, using such damping circuits.

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