Title (en)

SHORTING RINGS IN DUAL-COIL DUAL-GAP LOUDSPEAKER DRIVERS

Title (de)

KURZSCHLUSSRINGE FÜR LAUTSPRECHERANTRIEB MIT DOPPELSPULEN UND DOPPELSPALTEN

Title (fr)

ANNEAUX DE MISE EN COURT-CIRCUIT POUR CIRCUITS D'ATTAQUE DE HAUT-PARLEURS A DEUX BOBINES ET A DEUX ENTREFERS

Publication

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Application

EP 99913989 A 19990319

Priority

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Abstract (en)

[origin: WO9948329A1] Loudspeakers and other transducers of the dual-voice-coil/dual-magnetic-gap type can be improved by the addition of one or more annular shorting rings (16A-16S) strategically located in the vicinity of the two magnetic gaps. The shorting rings have no effect on a steady state magnetic field but act in opposition to any change in flux density or any displacement of the flux lines such as those that occur under the loading imposed when the voice coils (10A, 10B) are driven hard with audio frequency current. Thus a plurality of rings can be strategically deployed at different locations so as to optimally suppress both even and odd order harmonic distortion and to reduce the voice coil inductance.

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H04R 25/00

IPC 8 full level

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