Title (en)

Magnetic drive system for loudspeaker.

Title (de)

Magnetische Antriebsystem für Lautsprecher.

Title (fr)

Système magnétique de commande pour haut-parleur.

Publication

EP 0516471 A1 19921202 (EN)

Application

EP 92304950 A 19920529

Priority

GB 9111737 A 19910531

Abstract (en)

A loudspeaker construction is disclosed in which a conical diaphragm (15) is caused to generate and radiate sound by means of interaction between a drive coil on a coil former (24) secured to the neck of the diaphragm and a magnet assembly (14) secured to a chassis (10) of the loudspeaker. Electrical energisation of the drive coil produces a drive force acting on the drive coil to move the diaphragm. In order to reduce or prevent radiation of sound from a front ring (11) of the chassis and from a baffle board on which the chassis is mounted arising from reaction to the drive force acting on the magnet assembly, the magnet assembly is mechanically isolated or de-coupled from the chassis. This is accomplished by securing the magnet assembly to the chassis by means of resilient mountings (41) to reduce or prevent transmission of reaction force from the magnet assembly to the chassis. <IMAGE>

IPC 1-7

H04R 1/28; H04R 9/02; H04R 9/06

IPC 8 full level

H04R 1/28 (2006.01); **H04R 9/02** (2006.01); **H04R 9/06** (2006.01)

CPC (source: EP)

H04R 1/22 (2013.01); **H04R 9/02** (2013.01); H04R 9/025 (2013.01); H04R 9/06 (2013.01); H04R 2400/11 (2013.01)

Citation (search report)

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DOCDB simple family (publication)

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DOCDB simple family (application)

EP 92304950 A 19920529; CA 2109711 A 19920529; GB 9111737 A 19910531; GB 9200970 W 19920529; NO 934298 A 19931126; NZ 24296292 A 19920529