

Title (en)

MAGNETIC SYSTEM WITH ANNULAR AIR-GAP, IN PARTICULAR FOR WOOFERS

Publication

EP 0083045 A3 19830928 (DE)

Application

EP 82111770 A 19821218

Priority

- DE 3151530 A 19811224
- DE 8226166 U 19820917

Abstract (en)

[origin: US4628154A] An annular gap magnet system, in particular for a low frequency loudspeaker (Woofer), in which a coil is movable with a large stroke in the working air gap. A braking air gap provided in the region of the inner or lower pole plate produces a magnetic resistance in the pole plate so that a part of the magnetic flux flows over the braking air gap. This magnetic flux is opposed to the stray magnetic flux below the working air gap and excites a counter magnetic field which opposes further inward movement of the moving coil. In this way an impact of the moving coil against the inner or lower pole plate is prevented. In a low frequency loudspeaker the membrane carrying the moving coil may, therefore, be suspended extremely softly.

IPC 1-7

H04R 9/02

IPC 8 full level

H04R 9/02 (2006.01)

CPC (source: EP US)

H04R 9/025 (2013.01 - EP US); **H04R 2209/022** (2013.01 - EP US)

Citation (search report)

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- [A] PATENTS ABSTRACTS OF JAPAN, Band 6, Nr. 28, (E-95)[906], 19. Februar 1982 & JP - A - 56 146 400 (MATSUSHITA DENKI SANGYO K.K.) 13.11.1981

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US5321762A

Designated contracting state (EPC)

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