

Title (en)

Concentric tube suspension system for loudspeakers

Title (de)

Aufhängungssystem aus konzentrischen Rohren für Lautsprecher

Title (fr)

Système de suspension à tube concentrique pour haut-parleurs

Publication

**EP 0912072 B1 20050720 (EN)**

Application

**EP 97308543 A 19971027**

Priority

EP 97308543 A 19971027

Abstract (en)

[origin: EP0912072A1] A concentric tube suspension system and loudspeaker system of the moving coil type, including a diaphragm supported by a frame, a voice coil including a former and voice coil winding supported by the former, and a suspension system for stabilizing and centering the voice coil in a magnetic gap while it is linearly displaced by an electromagnetic motor. The suspension system generally comprises a tubular stabilizer attached to the bottom surface of the diaphragm so as to concentrically straddle the voice coil and electromagnetic motor, and a lower corrugated suspension attached at one end to the frame and at the other end to the lower end of the stabilizer, wherein the stabilizer and lower suspension provide a centering force below the traditional neck joint location on the voice coil.

IPC 1-7

**H04R 9/06**

IPC 8 full level

**H04R 9/04** (2006.01); **H04R 9/06** (2006.01)

CPC (source: EP)

**H04R 9/043** (2013.01); **H04R 9/06** (2013.01); **H04R 9/045** (2013.01)

Cited by

WO2024003028A1; EP1651003A3; EP2624596A4; EP4203506A4; EP1515583A4; EP1563709A4; GB2585201A; CN114731473A; US2022400347A1; FR3104366A1; FR3104368A1; FR3104367A1; US10708694B2; US7643648B2; US11388523B2; WO2007132431A3; WO2006035412A1; US10129652B2; US10623864B2; US7505603B2; WO2021111010A1; WO2021102056A1

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