

Title (en)

Inductively activated loudspeaker with conductive tube.

Title (de)

Induktiv angetriebener Lautsprecher mit stromleitendem Rohr.

Title (fr)

Haut-parleur activé par induction avec tube conducteur.

Publication

EP 0453130 A2 19911023 (EN)

Application

EP 91302945 A 19910404

Priority

US 51067090 A 19900418

Abstract (en)

An inductively activated loudspeaker produces sound by inducing an oscillating current in a shorted turn conductive tube that is positioned within a focused magnetic field. The loudspeaker includes an electrically excitable stationary coil positioned within the magnetic field and in inductive relation to the conductive cylinder. The oscillation of current within the stationary coil induces a corresponding oscillating current in the cylinder, which causes the cylinder to physically oscillate within the defined magnetic field. The resultant vibratory movement of the diaphragm, upon which the cylinder is mounted, has the effect of creating sound. Also disclosed is a combined stationary coil and outer pole assembly with internalized heat sinking, and which separably attaches to the remainder of the magnetic assembly of the loudspeaker.

IPC 1-7

H04R 9/02; **H04R 9/06**; **H04R 11/02**

IPC 8 full level

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

CPC (source: EP)

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