

Title (en)  
Electrodynamic transducer of polar type with vibratory body

Title (de)  
Elektrodynamischer Wandler polarer Art mit Schwingkörper

Title (fr)  
Transducteur électrodynamique de type polaire avec corps vibrant

Publication  
**EP 0667730 B1 20070103 (DE)**

Application  
**EP 95200332 A 19950211**

Priority  
IT BZ940007 A 19940214

Abstract (en)  
[origin: EP0667730A1] The chassis of the convertor is provided with pole shoes between which there is provided a ring permanent magnet (13). The insides of the pole shoes form an air gap (5, 16) in which an exciting coil (7, 17) can move in a straight line. The vibrating body (8, 18) sits on the exciting coil (7, 17). The vibrating body (8, 18) tapers in a direction away from the coils (7, 17) to form a point. The base of the conical vibrating body (8, 18) is fixedly connected to the coil (7, 17). Two such convertors can be combined in a mirror arrangement such that the points of the respective vibrating bodies (8, 18) are at a predetermined distance from each other and they oscillate along their axes (12) under the effect of a signal current providing a suction effect and hence a toroidal radiating system with a 360 degree circular characteristic.

IPC 8 full level  
**H04R 1/34** (2006.01); **H04R 1/40** (2006.01); **H04R 7/12** (2006.01); **H04R 27/00** (2006.01)

CPC (source: EP)  
**H04R 1/345** (2013.01); **H04R 1/403** (2013.01); **H04R 7/127** (2013.01)

Cited by  
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Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR LI NL SE

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**EP 0667730 A1 19950816; EP 0667730 B1 20070103**; AT E350877 T1 20070115; DE 59511076 D1 20070215; ES 2280080 T3 20070901; IT 1276265 B1 19971028; IT BZ940007 A0 19940214; IT BZ940007 A1 19950814; JP H07312793 A 19951128

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