

Title (en)

Transformer for piezoelectric speaker and piezoelectric speaker operative with said transformer

Title (de)

Transformator für piezoelektrischen Lautsprecher und piezoelektrischer Lautsprecher mit diesem Transformator

Title (fr)

Transformateur pour haut-parleur piézoélectrique et haut-parleur piézoélectrique fonctionnant avec ce transformateur

Publication

EP 0883326 A3 20050713 (EN)

Application

EP 98401302 A 19980529

Priority

- JP 14528097 A 19970603
- JP 8133498 A 19980327

Abstract (en)

[origin: EP0883326A2] The transformer (10) for a piezoelectric speaker includes an E-shaped magnetic core (11). An inner secondary winding (12a) having a number of turns corresponding to approximately one-half of the number of turns of a secondary winding (12) is wound around a shaft portion of the magnetic core (11). A primary winding (13) is wound around the shaft portion of the magnetic core (11) over the inner secondary winding (12a). Further, an outer secondary winding (12b) having a number of turns corresponding to the another half of the number of turns of the secondary winding (12) is wound around the shaft portion of the magnetic core (11) over the primary winding (13). An I-shaped core (16) is provided at the open side of the E-shaped magnetic core (11). <IMAGE>

IPC 1-7

H04R 17/00; **H01F 1/00**; **H01F 19/02**

IPC 8 full level

G10K 9/122 (2006.01); **H01F 19/02** (2006.01); **H01F 30/10** (2006.01); **H04R 3/00** (2006.01); **H04R 3/04** (2006.01); **H04R 17/00** (2006.01); **H04R 19/00** (2006.01)

CPC (source: EP)

H01F 30/10 (2013.01); **H04R 3/04** (2013.01); **H04R 17/00** (2013.01)

Citation (search report)

- [A] DE 19519594 A1 19951207 - TABUCHI DENKI KK [JP]
- [A] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 07 31 July 1996 (1996-07-31)
- [A] PATENT ABSTRACTS OF JAPAN vol. 006, no. 185 (E - 132) 21 September 1982 (1982-09-21)

Cited by

CN113840217A; US6718040B1; WO2023283784A1

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