

Title (en)  
Piezoelectric sound transducer.

Title (de)  
Piezokeramischer Schallwandler.

Title (fr)  
Transducteur de son piézoélectrique.

Publication  
**EP 0264557 A2 19880427 (DE)**

Application  
**EP 87111434 A 19870807**

Priority  
DE 3629093 A 19860827

Abstract (en)  
A piezoceramic sound transducer having a metal diaphragm which carries in its centre a ceramic disc, and comprising a support ring moulded onto the outside circumference of the diaphragm, the metal diaphragm exhibiting at least one concentric annular groove at a distance from the support ring. <IMAGE>

Abstract (de)  
Piezokeramischer Schallwandler mit einer Metallmembran (2), die in ihrer Mitte eine Keramikscheibe (3) trägt, und mit einem an dem Außenumfang der Membran angespritzten Tragring (9), wobei die Metallmembran in Abstand von dem Tragring wenigstens eine konzentrische ringförmige Rinne (4) aufweist.

IPC 1-7  
**H04R 17/00**

IPC 8 full level  
**H04R 17/10** (2006.01); **H04R 17/00** (2006.01); **H04R 17/02** (2006.01)

CPC (source: EP KR)  
**H04R 17/00** (2013.01 - EP); **H04R 17/02** (2013.01 - KR)

Cited by  
GB2232321A; GB2348564A; GB2348564B; EP1041537A3; US6404106B1

Designated contracting state (EPC)  
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0264557 A2 19880427**; **EP 0264557 A3 19891206**; DE 3629093 A1 19880310; IL 83648 A0 19880131; JP S6367900 A 19880326; KR 880003535 A 19880517; KR 900006323 B1 19900828

DOCDB simple family (application)  
**EP 87111434 A 19870807**; DE 3629093 A 19860827; IL 8364887 A 19870825; JP 20734487 A 19870820; KR 870009213 A 19870824