

Title (en)  
PIEZOELECTRIC SOUND TRANSDUCER

Publication  
**EP 0264557 A3 19891206 (DE)**

Application  
**EP 87111434 A 19870807**

Priority  
DE 3629093 A 19860827

Abstract (en)  
[origin: EP0264557A2] 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>

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

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

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

Citation (search report)  
• [X] FR 854121 A 19400405 - CSF  
• [A] US 4449019 A 19840515 - KAKEHI SASUGA [JP], et al  
• [A] DE 1112548 B 19610810 - KRONE KG

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