

Title (en)  
ACOUSTIC TRANSDUCER

Publication  
**EP 0031049 B1 19840509 (DE)**

Application  
**EP 80107438 A 19801127**

Priority  
DE 2951075 A 19791219

Abstract (en)  
[origin: US4430593A] Acoustic transducer having a piezo-electric element, including a lead section connected to the piezo-electric element, the lead section being in the form of a metallic body having a high specific attenuation.

IPC 1-7  
**G10K 11/02**

IPC 8 full level  
**H04R 1/00** (2006.01); **G01N 29/24** (2006.01); **G01N 29/28** (2006.01); **G10K 11/02** (2006.01); **H04R 17/00** (2006.01)

CPC (source: EP US)  
**G10K 11/02** (2013.01 - EP US)

Cited by  
EP0095619A3; EP2034471A3; EP0590176A1; US5418759A; EP0361757A3; GB2225426B

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 0031049 A2 19810701; EP 0031049 A3 19810715; EP 0031049 B1 19840509**; AT E7429 T1 19840515; DE 2951075 A1 19810702; DE 2951075 C2 19820415; DE 3067783 D1 19840614; JP H0167562 U 19890501; JP S5698651 A 19810808; US 4430593 A 19840207

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**EP 80107438 A 19801127**; AT 80107438 T 19801127; DE 2951075 A 19791219; DE 3067783 T 19801127; JP 13171888 U 19881007; JP 18030280 A 19801218; US 21740880 A 19801217