

Title (en)  
ACOUSTIC ELEMENT

Title (de)  
AKUSTISCHES ELEMENT

Title (fr)  
ELEMENT ACOUSTIQUE

Publication  
**EP 1060637 A1 20001220 (EN)**

Application  
**EP 99919295 A 19990426**

Priority  

- FI 9900337 W 19990426
- FI 980926 A 19980427

Abstract (en)  
[origin: WO9956498A1] The invention relates to an acoustic element comprising an arbitrary number of layers. Each layer comprises at least one porous layer (2) and a film (4) arranged at a distance from the layer. The porous layer (2) can be electrically conductive or coated at least on one of its surfaces to be electrically conductive, and the film (4) can be charged or provided with at least one electrically conductive surface. The porous layer (2) and the film (4) come into contact with each other substantially only at support points (5). The support points (5) are arranged so as to allow the entire structure to change its thickness.

IPC 1-7  
**H04R 7/10; H04R 19/02**

IPC 8 full level  
**G10K 11/16** (2006.01); **G10K 11/178** (2006.01); **H04R 7/10** (2006.01); **H04R 19/02** (2006.01)

CPC (source: EP)  
**H04R 7/10** (2013.01); **H04R 2201/021** (2013.01)

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)  
**WO 9956498 A1 19991104**; AT E301382 T1 20050815; AU 3712099 A 19991116; CA 2330377 A1 19991104; DE 69926487 D1 20050908;  
DE 69926487 T2 20060518; EP 1060637 A1 20001220; EP 1060637 B1 20050803; FI 115598 B 20050531; FI 980926 A0 19980427;  
FI 980926 A 19991028; JP 2002513263 A 20020508; JP 4527282 B2 20100818; NO 20005393 D0 20001026; NO 20005393 L 20001026

DOCDB simple family (application)  
**FI 9900337 W 19990426**; AT 99919295 T 19990426; AU 3712099 A 19990426; CA 2330377 A 19990426; DE 69926487 T 19990426;  
EP 99919295 A 19990426; FI 980926 A 19980427; JP 2000546549 A 19990426; NO 20005393 A 20001026