

Title (en)  
Flat element

Title (de)  
Flächenelement

Title (fr)  
Élément plat

Publication  
**EP 1052879 A3 20050727 (DE)**

Application  
**EP 00110008 A 20000512**

Priority  
DE 19922395 A 19990514

Abstract (en)  
[origin: EP1052879A2] The flat element has a plate-shaped component (1) and at least one transducer (2) on the component that is driven by an electrical audio signal to stimulate the component to vibrate flexurally at its natural resonant frequency to form an acoustic multimode resonance radiator. The flat element has a clamping device (3) connected to the component and that holds the component under tension. An Independent claim is also included for a cover element.

IPC 1-7  
**H04R 9/06**; **H04R 7/04**

IPC 8 full level  
**H04R 1/02** (2006.01); **H04R 7/04** (2006.01)

CPC (source: EP)  
**H04R 1/028** (2013.01); **H04R 7/045** (2013.01)

Citation (search report)

- [PX] WO 9952324 A1 19991014 - NEW TRANSDUCERS LTD [GB], et al
- [PX] WO 9960818 A1 19991125 - HARMAN AUDIO ELECTRONIC SYS [DE], et al
- [X] DE 1001011 B 19570117 - RUNDFUNKTECHNISCHES INST G M B
- [A] DE 2819615 A1 19791108 - MESSERSCHMITT BOELKOW BLOHM

Cited by  
US7187776B2; WO03013186A1

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

DOCDB simple family (publication)  
**EP 1052879 A2 20001115**; **EP 1052879 A3 20050727**; DE 19922395 C1 20010111

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**EP 00110008 A 20000512**; DE 19922395 A 19990514