

Title (en)  
Active acoustic devices

Title (de)  
Aktive akustische Vorrichtung

Title (fr)  
Dispositif acoustique actif

Publication  
**EP 1414266 A2 20040428 (EN)**

Application  
**EP 04075008 A 19990115**

Priority  

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- GB 9801054 A 19980120
- GB 9811100 A 19980523
- GB 9813293 A 19980620

Abstract (en)  
The acoustic device includes a panel having distribution of resonant modes of bending wave action determining acoustic performance in conjunction with transducer coupled to the panel. The transducer is located at a marginal position of the panel. The arrangement is such as to result in acoustically acceptable action dependent on the distribution of active the resonant modes. An independent claim is included for: method for making an acoustic device to include a panel having distribution of resonant modes of bending wave action.

Active acoustic device comprises a panel member (11) having distribution of resonant modes of bending wave action determining acoustic performance in conjunction with transducer means (31-34). The transducer means (31-34) is coupled to the panel member (11) at a marginal position. The arrangement is such as to result in acoustically acceptable action dependent on said distribution of active said resonant modes.

Methods of selecting the transducer location, or improvement by location of localised marginal clamping, rely on assessing best or better operative interaction of said transducer means (31-34) and the panel members (11) according to parameters of acoustic output for the device as an acoustic radiator.

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

IPC 8 full level  
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