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(54) Title: ACOUSTIC DEVICE COMPRISING A PANEL MEMBER RELYING ON BENDING WAVE ACTION

(57) Abstract

Acoustic devices rely on bending wave action in a panel member, particularly distribution of resonant modes of such bending wave action and related acoustically significant surface vibration over area of said panel member favourable to desired or at least acceptable acoustic device performance. The devices comply with selecting parameters of said panel member affecting said distribution, including configuration/geometry and/or bending stiffness(es), and/or location(s) of bending wave transducer(s) in said area of said panel member; the selecting being in accordance with analytical assessment of power transfer related characteristic(s) of said panel member thus said acoustic device concerned and desiderata therefor correlating with achieving said acoustic device performance.

