

Title (en)

Method of improving the modal resonance frequency distribution of a panel

Title (de)

Verfahren zur Verbesserung des Modal Resonanzfrequenz Verteilung eines Panels

Title (fr)

Procédé pour améliorer la distribution des modes de fréquence de résonnance d'un panneau

Publication

EP 1425937 A2 20040609 (EN)

Application

EP 02755181 A 20020815

Priority

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- GB 0120130 A 20010817

Abstract (en)

[origin: WO03026344A2] A method of improving the modal resonance frequency distribution of a panel (2) for a distribution resonant mode bending wave acoustic device involves analysing the distribution of the modal resonance frequencies of the panel, identifying a modal resonance frequency that is non-uniformly spaced relative to adjacent modal resonance frequencies, identifying a location on said panel that exhibits anti-nodal behaviour at said modal resonance frequency and changing the local impedance to bending wave vibration at said location (6). The method has particular application to distributed mode loudspeakers (1).

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