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(54) Title: RESONANT PANEL-FORM LOUDSPEAKERS

(57) Abstract

A method of making a vehicle interior trim panel having at least one integral resonant bending wave loudspeaker panel, comprising designing the trim panel to comprise at least one panel area capable of and intended to operate as a resonant bending wave loudspeaker, making a prototype trim panel to the design, optimising at least one parameter of the prototype panel as concerns its behaviour as a resonant bending wave loudspeaker by obtaining the standard deviation, as frequency is varied, of the mechanical impedance of the panel as a function of the at least one parameter, selecting a value or values of said at least one parameter that result in a minimum of said standard deviation of the mechanical impedance of the panel, and making a trim panel in which the at least one parameter to be optimised has the selected value or values.

