

Title (en)
BENDING WAVE LOUDSPEAKERS

Title (de)
BIEGEWEELEN-LAUTSPRECHER

Title (fr)
HAUT-PARLEURS

Publication
EP 1234478 A2 20020828 (EN)

Application
EP 00985445 A 20001128

Priority
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• GB 9928456 A 19991202

Abstract (en)
[origin: WO0141498A2] A bending wave panel-form loudspeaker comprises a spaced pair of panels defining between them a shallow fluid cavity, a body member surrounding the pair of panels and suspending the panels by their edges, means sealing the cavity and vibration transducers in the fluid cavity and arranged to drive the respective panels, the electrical connections to the transducers being at least partially in antiphase such that the predominant motion of the panels is in phase to provide a degree of dipole radiation property for the loudspeaker, and the cavity being such that the gap between the panels is in the range 2 to 25 mm such that the shallow cavity provides conditions in which fluid coupling dynamics and behaviour is asserted between the pair of panels due to the fluid layer between them.

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H04R 1/40; **H04R 1/22**; **H04R 7/04**; **G09F 27/00**

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Citation (search report)
See references of WO 0141498A2

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