Title (en)

PANE-FORM LOUDSPEAKERS

Title (de)

PLATTENFÖRMIGE LAUTSPRECHER

Title (fr)

HAUT-PARLEUR A PANNEAUX

Publication

**EP 0981928 A2 20000301 (EN)**

Application

**EP 98921596 A 19980513**

Priority

- GB 9801362 W 19980513
- GB 9709959 A 19970515

Abstract (en)

[origin: WO9852381A2] A panel-form loudspeaker comprises at least two resonant distributed mode acoustic panels with a single driver provided to excite all the panels such that bending wave energy is efficiently transferred to each of them to excite distributed mode resonance in them to provide acoustic output. There may be two panels one larger than the other - the larger having a lower bending wave stiffness than the smaller. The smaller panel is positioned eccentrically of the larger and the driver eccentrically of the smaller panel. A plurality of smaller panels may be associated with a single larger panel. One embodiment provides a driver mounted to the or each smaller panel which is adhesively attached face to face to the larger panel. Another embodiment provides the or each smaller panel formed within and attached to the larger panel, a driver being attached to the or each smaller panel. The attachment of the panels uses a material forming a controlling compliant coupling. A third embodiment provides the or each smaller panel mounted on one end of an associated coupler passing through and attached to the larger panel, a driver being attached to the other end of the or each coupler. The attachment of the or each coupler to the larger panel uses a material forming a controlling compliance coupling. The or each coupler is tubular in section.

IPC 1-7

**H04R 7/06**

IPC 8 full level

**H04R 9/00** (2006.01); **H04R 1/00** (2006.01); **H04R 7/04** (2006.01); **H04R 9/06** (2006.01)

CPC (source: EP KR)

**H04R 1/00** (2013.01 - KR); **H04R 7/045** (2013.01 - EP); **H04R 9/06** (2013.01 - EP)

Citation (search report)

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