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(71) Applicant: **New Transducers Limited**
Huntingdon,
Cambs PE29 6FW (GB)

(72) Inventors:
• **Azima, Henry**
Cambridge CB2 2TT (GB)
• **Harris, Nell**
Whittlestord,
Cambridge CB2 4 NL (GB)
• **Colloms, Martin**
London NW2 2DA (GB)

(74) Representative: **Evens, Paul Jonathan et al**
Maguire Boss,
5 Crown Street
St. Ives,
Cambridgeshire PE27 5EB (GB)

(54) **Acoustic device**

(57) A loudspeaker drive unit actuator (105) for driving a diaphragm (100) comprising

a compliant coupling part (107) adapted to drive the diaphragm (100) pistonicly at lower frequencies at a pistonic drive point which is predominantly at the centre of the actuator and

a rigid coupling part (109) which is at a location offset from the compliant coupling part and which is adapted to drive the diaphragm to excite resonance in the diaphragm (100) at higher frequencies at a bending wave excitation point which is offset from the centre of the actuator.

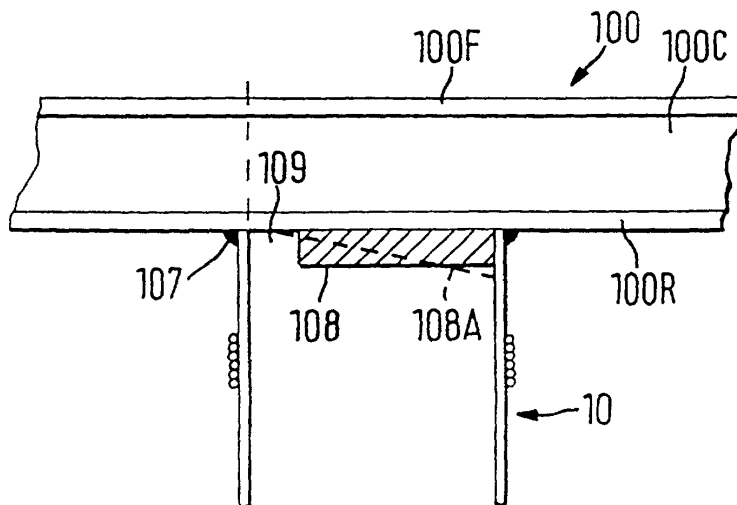


FIG. 10B

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EUROPEAN SEARCH REPORT

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EP 01 20 2058

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 18 November 2005	Examiner Zanti, P
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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