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9704486.1 / 4 March 1997 (04.03.97) / GB(71) Applicant (for all designated States except US): NEW TRANSDUCERS LIMITED [GB/GB]; (Stonehill, Huntingdon, Cambridgeshire PE18 6ED (GB).) *add changed already*

(72) Inventors; and

(75) Inventors/Applicants (for US only): AZUMA, Henry [CA/GB]; 3 Southacre Close, Chaucer Road, Cambridge CB2 2TT (GB). COLLOMS, Martin [GB/GB]; 22 Burgess Hill, London NW2 2DA (GB). HARRIS, Neil [GB/GB]; 9 Davey Crescent, Great Shelford, Cambridge CB2 5JF (GB).

(74) Agent: MAGUIRE BOSS; 5 Crown Street, St. Ives, Cambridgeshire PE17 4EB (GB).

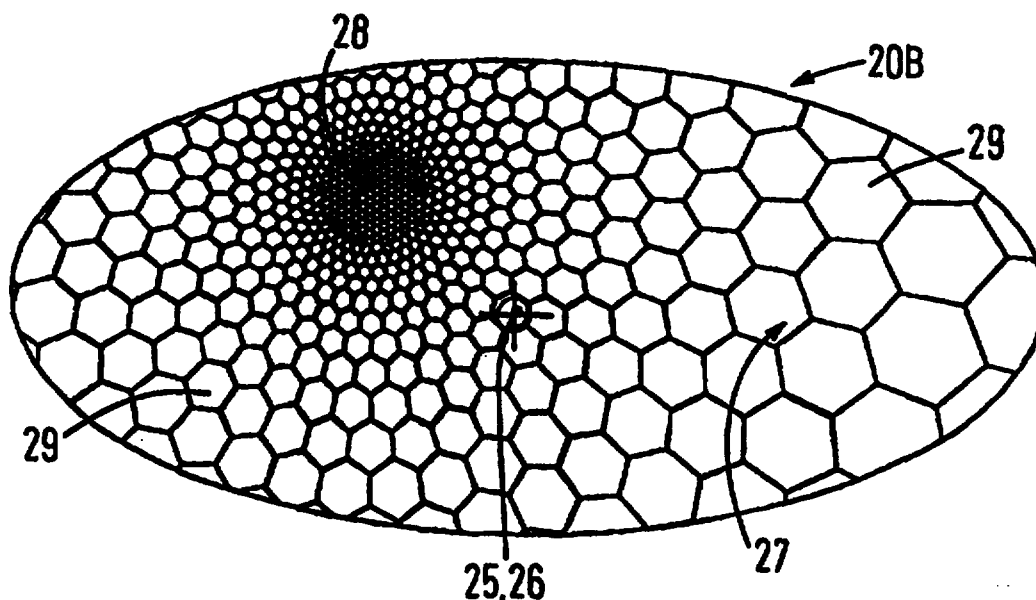
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(54) Title: ACOUSTIC DEVICE



(57) Abstract

Acoustic devices have members extending transversely of thickness and capable of sustaining bending waves causing consequential acoustic action by reason of areal distribution of resonant modes of natural bending wave vibration consonant with required achievable acoustic action of said member over a desired operative acoustic frequency range. Areal distribution of stiffness including variation(s) therein is used to get desired locations for bending wave transducers and/or good resonant mode acoustic action from inherently unfavourable shapes of members. Members with combined piston action drive and bending wave excitement at centres of mass and geometry are featured.