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(21) International Application Number: PCT/GB99/00143 (22) International Filing Date: 15 January 1999 (15.01.99) (30) Priority Data: <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">9801057.2</td> <td style="width: 40%;">20 January 1998 (20.01.98)</td> <td style="width: 30%;">GB</td> </tr> <tr> <td>9801054.9</td> <td>20 January 1998 (20.01.98)</td> <td>GB</td> </tr> <tr> <td>9811100.8</td> <td>23 May 1998 (23.05.98)</td> <td>GB</td> </tr> <tr> <td>9813293.9</td> <td>20 June 1998 (20.06.98)</td> <td>GB</td> </tr> </table> (71) Applicant (for all designated States except US): NEW TRANSDUCERS LIMITED [GB/GB]; Stonehill, Huntingdon, Cambridgeshire PE18 6ED (GB). (72) Inventors; and (75) Inventors/Applicants (for US only): AZIMA, Farad [GB/GB]; Flat 3, 1 Palace Gate, Kensington, London W8 5KS (GB). AZIMA, Henry [CA/GB]; 3 Southacre Close, Chaucer Road, Cambridge CB2 2TT (GB). COLLOMS, Martin [GB/GB]; 22 Burgess Hill, London NW2 2DA (GB). BANK, Graham [GB/GB]; 1 Boartree Way, Huntingdon, Cambridgeshire PE18 6GL (GB). HILL, Nicholas, Patrick, Roland [GB/GB]; The Flat, 206 Cherry Hinton Road, Cambridge CB1 4AW (GB).	9801057.2	20 January 1998 (20.01.98)	GB	9801054.9	20 January 1998 (20.01.98)	GB	9811100.8	23 May 1998 (23.05.98)	GB	9813293.9	20 June 1998 (20.06.98)	GB	(74) Agent: MAGUIRE BOSS; 5 Crown Street, St. Ives, Cambridgeshire PE17 4EB (GB). (81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.	
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(54) Title: ACTIVE ACOUSTIC DEVICES COMPRISING PANEL MEMBERS														
(57) Abstract Active acoustic device comprises a panel member (11) having distribution of resonant modes of bending wave action determining acoustic performance in conjunction with transducer means (31-34). The transducer means (31-34) is coupled to the panel member (11) at a marginal position. The arrangement is such as to result in acoustically acceptable action dependent on said distribution of active said resonant modes. Methods of selecting the transducer location, or improvement by location of localised marginal clamping, rely on assessing best or better operative interaction of said transducer means (31-34) and the panel members (11) according to parameters of acoustic output for the device as an acoustic radiator.														