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(21) International Application Number: PCT/GB98/02288 (22) International Filing Date: 30 July 1998 (30.07.98) (30) Priority Data: 9716412.3 5 August 1997 (05.08.97) GB (71) Applicant (for all designated States except US): NEW TRANS- DUCERS LIMITED [GB/GB]; Stonehill, Huntingdon, Cam- bridgeshire PE18 6ED (GB). (72) Inventors; and (75) Inventors/Applicants (for US only): BANK, Graham [GB/GB]; 1 Boartree Way, Huntingdon, Cambridgeshire PE18 6GL (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). HARRIS, Neil [GB/GB]; 9 Davey Crescent, Great Shelford, Cambridge CB2 5JF (GB). (74) Agent: MAGUIRE BOSS; 5 Crown Street, St. Ives, Cam- bridgeshire 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, 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.

(54) Title: SOUND RADIATING DEVICES/SYSTEMS

(57) Abstract

Sound radiator has an areally distributed array of plural acoustic transducers having individual drive means. A large number of transducers can be used and can be of any type. Drive signals produce phase-different sound radiations from the transducers in distributions over the area of the array having desired diffuse or particularly voiced nature. Drive signal producing means involves phase-shifting higher acoustic frequency content, and is further operative for in-phase action of at least some of the transducers in sub-area(s) of the array for lower frequency content.

