

**PCT**
WORLD INTELLECTUAL PROPERTY ORGANIZATION
 International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : H04R 25/00	A1	(11) International Publication Number: WO 98/57522 (43) International Publication Date: 17 December 1998 (17.12.98)
(21) International Application Number: PCT/US98/11275 (22) International Filing Date: 2 June 1998 (02.06.98) (30) Priority Data: 60/048,201 2 June 1997 (02.06.97) US (71) Applicant (for all designated States except US): MZX, INCORPORATED [US/US]; 1000 Business Center Circle, Thousand Oaks Business Center, Newbury Park, CA 91320 (US). (71)(72) Applicant and Inventor: ZIMMERMANN, Claus [US/US]; 1000 Business Center Circle, Thousand Oaks Business Center, Newbury Park, CA 91320 (US). (74) Agent: COTA, Albert, O.; Suite A-331, 5460 White Oak Avenue, Encino, CA 91316 (US).		(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, GW, 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, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: ELECTROLYTIC LOUDSPEAKER ASSEMBLY (57) Abstract <p>A compilation of improvements and modifications to U.S. patent 5,392,358 which discloses an electrolytic loudspeaker assembly (10) which reproduces a broad band of audio signals. The assembly (10) is comprised of a thin, non-magnetic capacitive transducer (12) which consists of compound diaphragm (14) that is further comprised of a center section (16), a front section (20) and a rear section (22). The compound diaphragm (14) is enclosed by a frame assembly (32). The improvements and modifications to the assembly (10) include two designs for a center section (16A, 18A); three designs each for a front section (20A, 24A, 28A) and a rear section (22A, 26A, 30A); three designs for a frame assembly (32A, 34A, 36A) and two designs for a transducer driver unit (46, 48). The basic design of the assembly (10) is also augmented by the addition of an acoustic wave diffuser, reflector, and absorbing assembly (40) and an acoustic baffle structure (44).</p>		