

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : H04R 19/02	A1	(11) International Publication Number: WO 97/24013 (43) International Publication Date: 3 July 1997 (03.07.97)
(21) International Application Number: PCT/SE96/01675 (22) International Filing Date: 17 December 1996 (17.12.96) (30) Priority Data: 9504600-9 22 December 1995 (22.12.95) SE (71)(72) Applicant and Inventor: FORS, Tore [SE/SE]; Kloster- gatan 56, S-553 35 Jönköping (SE). (74) Agent: ARWIDI, Bengt; Ahlpatent AB, Förborgsgatan 27, S- 554 39 Jönköping (SE).	(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, 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>In English translation (filed in Swedish).</i>	

(54) Title: **ELECTROSTATIC LOUDSPEAKER**

(57) Abstract

The present invention concerns an electrostatic loudspeaker in which the membranes and stators have charges of the same polarity. It is hereby possible for great forces to work in the loudspeaker without causing a risk for sparking-over between stator and membrane. A loudspeaker according to the invention has two membranes (19, 20), each having a corresponding stator (2, 9) shaped as a grid or the like made from electrically conductive material. The two membranes are parallel to each other and joined together by a firm, hard or stiff material (6). Membranes (19, 20) and stators (2, 9) of a pair always have the same potential and repel each other with a force which varies when the potential varies.

