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(57) Abstract :

An annular diaphragm compression driver (1) for electro-acoustic conversion having an annular diaphragm (9), which bears at least one moving coil, having a compression driver housing (2), which a closed housing base (3), opposite the housing base (3) a sound wave routing element (14) having a sound discharge channel (12) which is open at the end, and having at least one annular magnet system unit (4), which has an annular magnet gap (M) and a compression chamber (8), adjoining the magnet gap (M), for an associated annular diaphragm (9), is described. The open sound exit end (15) of the sound discharge channel (12) is in slot form and the sound entry start (16) of the sound discharge channel (12) - which sound entry start is opposite the open sound exit end (15) and adjacent to the compression chamber (8) - is annular. The sound path between the at least one compression chamber (8) and the sound entry start (16) of the sound discharge channel (12) contains an annular collecting space (11), wherein the collecting space (11) and the sound discharge channel (12) contain a central sound guidance body (13) having a portion which merges from an annular cross section into a cross section which matches the slot-like sound exit end (15) of the sound discharge channel (12), and the sound discharge channel (12) is formed between the sound guidance body (13) and a circumferential wall of the sound wave routing element (14).

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