

Title (en)
ELECTROACOUSTIC TRANSDUCER

Title (de)
ELEKTROAKUSTISCHER WANDLER

Title (fr)
TRANSDUCTEUR ÉLECTROACOUSTIQUE

Publication
EP 2480913 A1 20120801 (DE)

Application
EP 09743838 A 20090922

Priority
DE 2009001335 W 20090922

Abstract (en)
[origin: WO2011035747A1] An electroacoustic transducer (10) is disclosed, comprising a ring member (11) that contains piezoceramic material and electrodes which contact said material. In order to keep the size and weight of the transducer (10) low while obtaining a sufficiently high acoustic power, the ring member (11) is composed of multiple annular, flat composite modules (16) which rest against each other in the radial direction of the ring member (11). Each composite module (16) has axially spaced-apart piezoceramic fibers which extend in the circumferential direction of the ring member (11), and spaced-apart electrodes which extend transverse to the piezoceramic fibers and contact the same on the longitudinal sides thereof that are radially opposite each other.

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