

Title (en)
ELECTROACOUSTIC TRANSDUCER

Title (de)
ELEKTROAKUSTISCHER WANDLER

Title (fr)
TRANSDUCTEUR ÉLECTRO-ACOUSTIQUE

Publication
EP 2480346 B1 20130807 (DE)

Application
EP 09744932 A 20090922

Priority
DE 2009001332 W 20090922

Abstract (en)
[origin: WO2011035744A1] The invention relates to an electroacoustic transducer comprising an actuator (11), which oscillates longitudinally when an alternating voltage is applied. In order to substantially reduce the weight of the transducer while maintaining a sufficiently high sound power, especially transmission power, the actuator (11) consists of a tube (14), especially a plastic tube, and at least one composite module (15) that is rigidly connected to the tube wall (141) of the tube. The at least one composite module (15) comprises electrode structures which are arranged on at least two film layers of an electrically insulating material and which have interspaced electrodes and interspaced piezoceramic fibers that are arranged between the film layers and are contacted by the electrodes on ends facing away from each other.

IPC 8 full level
G10K 9/12 (2006.01)

CPC (source: EP)
G10K 9/121 (2013.01)

Cited by
CN109870718A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2011035744 A1 20110331; DE 112009005265 A5 20121115; EP 2480346 A1 20120801; EP 2480346 B1 20130807

DOCDB simple family (application)
DE 2009001332 W 20090922; DE 112009005265 T 20090922; EP 09744932 A 20090922