

Title (en)
ELECTROACOUSTIC CONVERTER

Title (de)
ELEKTROAKUSTISCHER WANDLER

Title (fr)
CONVERTISSEUR ÉLECTROACOUSTIQUE

Publication
EP 2771133 A2 20140903 (DE)

Application
EP 12772258 A 20120925

Priority

- DE 102011121006 A 20111213
- DE 102011117229 A 20111028
- EP 2012068888 W 20120925

Abstract (en)

[origin: WO2013060543A2] The invention relates to an electroacoustic converter, in particular an emitter converter, for underwater operation. According to the invention, a hollow cylindrical ring body (10) is structured from a plurality of ring segments (12), which can be positioned next to each other in a ring shape. Each ring segment (12) has at least one ceramic segment (20) which is embedded in the ring segment (12) by means of a gel filling (30) enclosing the ceramic segment (20). The ring body (10) has a wrapping (22) contacting the ceramic segments (20) on the outside for fastening the ceramic segments (20). The invention further relates to an acoustic underwater antenna, in particular a trailing antenna, having a flexible, sound-transparent hose in which at least two of the previously described electroacoustic converters are arranged, spaced apart from each other.

IPC 8 full level
B06B 1/06 (2006.01); **G10K 11/00** (2006.01); **H04R 1/44** (2006.01); **H04R 17/00** (2006.01)

CPC (source: EP)
B06B 1/0633 (2013.01); **G10K 11/008** (2013.01); **H04R 1/44** (2013.01); **H04R 17/00** (2013.01)

Citation (search report)
See references of WO 2013060543A2

Citation (third parties)
Third party :
WO 2013060543 A2 20130502 - ATLAS ELEKTRONIK GMBH [DE]

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)
DE 102011121006 A1 20130502; **DE 102011121006 B4 20150813**; EP 2771133 A2 20140903; EP 2771133 B1 20191204;
WO 2013060543 A2 20130502; WO 2013060543 A3 20130926; WO 2013060543 A8 20150423

DOCDB simple family (application)
DE 102011121006 A 20111213; EP 12772258 A 20120925; EP 2012068888 W 20120925