

Title (en)

Directive electroacoustic transducers and methods and devices for their manufacture.

Title (de)

Gerichtete elektroakustische Wandler und Verfahren und Vorrichtungen zu ihrer Herstellung.

Title (fr)

Transducteurs électro-acoustiques directifs et procédés et dispositifs de fabrication.

Publication

EP 0496668 B1 19941019 (FR)

Application

EP 92400157 A 19920122

Priority

FR 9100660 A 19910122

Abstract (en)

[origin: EP0496668A1] The subject of the invention are directional electroacoustic transducers, and methods and devices for manufacturing them. A transducer according to the invention comprises a case (2) composed of a cylindrical wall (16) and a bottom (17) which is separated from the wall by slots (19a, 19b) which are closed off by a deformable membrane (20) held by a disc (21). The case is closed by a flexible diaphragm (4) which is integral with a metal flange (5) and with a threaded sleeve (7), into which a connecting cable penetrates. The cavity (23) inside the case is filled with oil which is held at a pressure equal to that of the exterior. The mounting of the parts is carried out within an oil bath. One application is the construction of hydrophones having a very high directivity in one direction. <IMAGE>

IPC 1-7

B06B 1/06

IPC 8 full level

B06B 1/06 (2006.01)

CPC (source: EP)

B06B 1/0603 (2013.01)

Cited by

WO2020024678A1

Designated contracting state (EPC)

GB IT

DOCDB simple family (publication)

EP 0496668 A1 19920729; EP 0496668 B1 19941019; FR 2671927 A1 19920724; FR 2671927 B1 19951006

DOCDB simple family (application)

EP 92400157 A 19920122; FR 9100660 A 19910122