

Title (en)

Electrodynamic transducer for underwater acoustics

Title (de)

Elektrodynamischer Wandler für Unterwasser-Akustik

Title (fr)

Transducteur électrodynamique pour acoustique sous-marine

Publication

**EP 0881001 B1 20040804 (FR)**

Application

**EP 98401205 A 19980519**

Priority

FR 9706457 A 19970527

Abstract (en)

[origin: EP0881001A1] The electro-dynamic transducer comprises a body (101-103) which has polar pieces (105,105) that define a gap (107) and a moving armature with a dome (109). The dome is extended by a cylinder supporting a coil (120) which slides in the gap. A flexible membrane seals between the body and the armature. Above the dome is a bell (110) which slides in the body of the transducer, having a degree of play between the two which is extremely small. This allows a reduction in the effects of a shock wave arising from an external explosion.

IPC 1-7

**B06B 1/04**

IPC 8 full level

**B06B 1/04** (2006.01); **G10K 11/00** (2006.01)

CPC (source: EP US)

**B06B 1/045** (2013.01 - EP US); **G10K 11/006** (2013.01 - EP US)

Cited by

US6483778B1; WO0060573A1; JP2002541697A

Designated contracting state (EPC)

BE DE GB IT NL

DOCDB simple family (publication)

**EP 0881001 A1 19981202; EP 0881001 B1 20040804**; DE 69825361 D1 20040909; DE 69825361 T2 20050811; FR 2764160 A1 19981204; FR 2764160 B1 19990827; US 6046962 A 20000404

DOCDB simple family (application)

**EP 98401205 A 19980519**; DE 69825361 T 19980519; FR 9706457 A 19970527; US 8474198 A 19980527