

Title (en)
Laminated piezoelectric transducer

Title (de)
Laminierter piezoelektrischer Wandler

Title (fr)
Transducteur piézoélectrique stratifié

Publication
EP 1819191 B1 20100915 (EN)

Application
EP 07109446 A 20051214

Priority
EP 05027342 A 20051214

Abstract (en)
[origin: EP1799009A1] The invention is illustrated as an underwater acoustic transducer comprising an active acoustic element for transducing sound and electrical signals; a front and rear housing element disposed on each side of the active acoustic element to define a corresponding front and rear acoustic chamber on each side of the active acoustic element; and a rear cover disposed on the rear housing element to provide tuning of the corresponding rear acoustic chamber. The method of manufacturing an underwater acoustic transducer, includes the step of selecting a port diameter and/or thickness of the front and rear housing elements according to an empirically tuned acoustic performance of the underwater acoustic transducer in combination with the facemask, helmet or headgear in or on which the underwater acoustic transducer is mounted.

IPC 8 full level
H04R 1/44 (2006.01)

CPC (source: EP)
H04R 1/44 (2013.01); **H04R 17/00** (2013.01)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1799009 A1 20070620; EP 1799009 B1 20090311; AT E425640 T1 20090315; AT E481824 T1 20101015; DE 602005013257 D1 20090423; DE 602005023642 D1 20101028; EP 1819191 A2 20070815; EP 1819191 A3 20070822; EP 1819191 A8 20071024; EP 1819191 B1 20100915; ES 2320559 T3 20090525; ES 2349569 T3 20110105

DOCDB simple family (application)
EP 05027342 A 20051214; AT 05027342 T 20051214; AT 07109446 T 20051214; DE 602005013257 T 20051214; DE 602005023642 T 20051214; EP 07109446 A 20051214; ES 05027342 T 20051214; ES 07109446 T 20051214