

Title (en)
Laminated piezoelectric transducer

Title (de)
Laminierter piezoelektrischer Wandler

Title (fr)
Transducteur piézoélectrique stratifié

Publication
EP 1819191 A2 20070815 (EN)

Application
EP 07109446 A 20051214

Priority
EP 05027342 A 20051214

Abstract (en)
An underwater acoustic transducer (10) comprising a laminated waterproof and sealed active acoustic element (14) for transducing sound and electrical signals; a front and rear housing element (24) disposed on each side of the active acoustic element (14) to define a corresponding front and rear acoustic chamber on each side of the active acoustic element (14), each housing element (24) defining a corresponding port (30) therethrough of a predetermined diameter and thickness to provide tuning of the corresponding acoustic chamber and to provide free flooding acoustic chambers; and a rear cover (38) disposed on the rear housing element (38) and defining a corresponding port (40) therethrough of a predetermined diameter and thickness to provide further tuning of the corresponding rear acoustic chamber while maintaining the free flooding characteristic of the rear acoustic chamber.

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)
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Designated extension state (EPC)
AL BA HR MK YU

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

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