

Title (en)  
Laminated piezoelectric transducer

Title (de)  
Laminierter piezoelektrischer Wandler

Title (fr)  
Transducteur piézoélectrique stratifié

Publication  
**EP 1819191 A3 20070822 (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)

Citation (search report)

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