

Title (en)

Method of damping underwater noise

Title (de)

Verfahren zum Dämpfen von Unterwasserschall

Title (fr)

Procédé d'amortissement bruit sous-marin

Publication

EP 2677082 B1 20170719 (DE)

Application

EP 13173106 A 20130620

Priority

DE 102012013443 A 20120621

Abstract (en)

[origin: EP2677082A1] The device has a membrane that is used to discharge the compressed air in a form of bubbles (20) through multiple pores into surrounding water. A pressure line (12) has a wall that is surrounded by the membrane in the vicinity of multiple apertures, such that the compressed air is emitted through the apertures, and then through the pores into the water. The aperture cross-sections and the pore sizes are selected, such that the pressure of the compressed air over the membrane is decreased at most 30% and 20% respectively. An independent claim is included for a method of attenuating the underwater sound.

IPC 8 full level

E02B 1/00 (2006.01); **B01F 3/04** (2006.01); **E02D 13/00** (2006.01)

CPC (source: EP)

B01F 23/23124 (2022.01); **B01F 23/231265** (2022.01); **E02B 1/003** (2013.01)

Citation (examination)

DE 102008017418 B4 20100819 - UNIV HANNOVER [DE]

Cited by

CN112967706A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

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