

Title (en)

A SILENCER, A MARINE VESSEL AND A METHOD OF SILENCING A MARINE EXHAUST

Title (de)

SCHALLDÄMPFER, SCHIFF UND VERFAHREN ZUR ABGASSCHALLDÄMPFUNG EINES SCHIFFS

Title (fr)

SILENCIEUX, VAISSEAU MARIN ET PROCÉDÉ D'ATTÉNUATION DU BRUIT D'UN SYSTÈME D'ÉCHAPPEMENT MARIN

Publication

**EP 2046632 A1 20090415 (EN)**

Application

**EP 07766213 A 20070712**

Priority

- GB 2007002631 W 20070712
- US 82015506 P 20060724

Abstract (en)

[origin: WO2008012501A1] The invention provides a silencer (1) for a marine engine being arranged for connection to an exhaust outlet (5) of an in board marine engine, the silencer comprising: a housing defining a helmholtz resonator chamber (8) and an expansion chamber (10); and, a baffle (12) arranged within the housing between the expansion chamber and the resonator chamber, the baffle having a first opening (11) for receiving an inlet (4) or an outlet duct and a second opening (13) defining an opening to the resonator chamber the silencer being arranged so that, in use, at least one of an inlet duct and an outlet duct passes through the resonator chamber, wherein the resonator chamber is arranged in use to be substantially free of water. In embodiments, the invention also provides a vessel including such a silencer.

IPC 8 full level

**B63H 21/34** (2006.01); **F01N 13/00** (2010.01)

CPC (source: EP)

**B63H 21/34** (2013.01); **F01N 1/02** (2013.01); **F01N 1/023** (2013.01); **F01N 1/08** (2013.01); **F01N 13/004** (2013.01)

Citation (search report)

See references of WO 2008012501A1

Cited by

DE102011104539A1

Designated contracting state (EPC)

DE FR GB IT NL

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**WO 2008012501 A1 20080131**; DE 602007013054 D1 20110421; EP 2046632 A1 20090415; EP 2046632 B1 20110309

DOCDB simple family (application)

**GB 2007002631 W 20070712**; DE 602007013054 T 20070712; EP 07766213 A 20070712