

Title (en)  
Vessel provided with heat exchangers in the double bottom thereof

Title (de)  
Schiff mit Wärmetauschern im Doppelboden

Title (fr)  
Bateau avec des échangeurs de chaleur dans son double fond

Publication  
**EP 2163468 B1 20110330 (EN)**

Application  
**EP 09168119 A 20090818**

Priority  
NL 2001902 A 20080820

Abstract (en)  
[origin: EP2163468A1] There is disclosed a vessel having a double bottom (3), in which double bottom cooling water passage means (6) are provided and in which heat exchangers (5) coupled to said cooling water passage means are disposed. In particular, the heat exchangers (5) are disposed in channels (8) extending in the longitudinal direction in the double-walled bottom of the vessel. Selective closure of certain channels makes it possible to carry out maintenance and repairs, at sea, on the heat exchanger(s) present therein during normal operation of the vessel based on a forced flow.

IPC 8 full level  
**B63B 3/62** (2006.01); **B63H 21/10** (2006.01); **B63H 21/12** (2006.01); **B63J 2/12** (2006.01)

CPC (source: EP)  
**B63B 3/62** (2013.01); **B63H 21/10** (2013.01); **B63H 21/12** (2013.01); **B63J 2/12** (2013.01); **F28D 1/022** (2013.01)

Cited by  
NL2009115C2; CN107933873A; US10150552B2; WO2017142830A1; WO2022226610A1

Designated contracting state (EPC)  
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 SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2163468 A1 20100317**; **EP 2163468 B1 20110330**; AT E503680 T1 20110415; CN 101654148 A 20100224; CN 101654148 B 20131225; DE 602009000978 D1 20110512; NL 2001902 C 20100310

DOCDB simple family (application)  
**EP 09168119 A 20090818**; AT 09168119 T 20090818; CN 200910170499 A 20090820; DE 602009000978 T 20090818; NL 2001902 A 20080820