

Title (en)

MECHANISM FOR HINGED MOUNTING OF CARGO SHIP HATCH COVER

Title (de)

MECHANISMUS FÜR SCHARNIERGELENK VON FRACHTSCHIFFS-LUKENDECKELN

Title (fr)

MECANISME DE MONTAGE ARTICULE D'UN COUVERCLE DE TRAPPE DE NAVIRE DE CHARGE

Publication

**EP 1301390 A1 20030416 (EN)**

Application

**EP 01940606 A 20010607**

Priority

- FI 0100539 W 20010607
- FI 20001701 A 20000721

Abstract (en)

[origin: WO0208052A1] The present invention relates to a mechanism for hinged mounting of a cargo ship hatch cover (2) to the ship's hull structure (5), the mechanism comprising, in addition to the pivotal mechanism connecting the hatch cover (2) to the hull structure (5), at least one actuator adapted between said hatch cover (2) and said hull structure, such as a hydraulic cylinder (6) by means of which the hatch cover (2) is rotatable from a substantially vertical open position into a substantially horizontal closed position and vice versa, the closed position being secured by means of support brackets (8) arranged to support the hatch over from below. The invention is implemented so that the hinged connection of the hatch cover (2) to the ship's hull structure (2) is based on a mechanism that facilitates a limited movement of the hinged end of the hatch cover (2) in the vertical direction so that the hatch cover can be adjusted to a desired height.

IPC 1-7

**B63B 19/19**

IPC 8 full level

**B63B 19/197** (2006.01); **B63B 25/18** (2006.01)

CPC (source: EP)

**B63B 19/197** (2013.01); **B63B 25/18** (2013.01)

Citation (search report)

See references of WO 0208052A1

Designated contracting state (EPC)

DE NL

DOCDB simple family (publication)

**WO 0208052 A1 20020131**; AU 7412901 A 20020205; BG 107320 A 20030630; BG 64770 B1 20060331; CN 1222439 C 20051012; CN 1443130 A 20030917; DE 60113119 D1 20051006; DE 60113119 T2 20060608; EP 1301390 A1 20030416; EP 1301390 B1 20050831; FI 112053 B 20031031; FI 20001701 A0 20000721; FI 20001701 A 20020122; JP 2004504230 A 20040212; RO 120897 B1 20060929

DOCDB simple family (application)

**FI 0100539 W 20010607**; AU 7412901 A 20010607; BG 10732002 A 20021126; CN 01813168 A 20010607; DE 60113119 T 20010607; EP 01940606 A 20010607; FI 20001701 A 20000721; JP 2002513762 A 20010607; RO 200300241 A 20010607