

Title (en)
VESSELS WITH ROLL DAMPING MECHANISM

Title (de)
WASSERFAHRZEUGE MIT ROLLDÄMPFUNGSMECHANISMUS

Title (fr)
NAVIRES ÉQUIPÉS D'UN MÉCANISME D'AMORTISSEMENT EN ROULIS

Publication
EP 2207713 B1 20130320 (EN)

Application
EP 08837903 A 20081009

Priority
• NL 2008000221 W 20081009
• US 96073607 P 20071011

Abstract (en)
[origin: WO2009048322A1] The present invention relates to a monohull vessel with a heavy lift crane. The crane (20) comprises a jib (24), which has a reach beyond the hull of the vessel and hoisting means for hoisting a load. The vessel is provided with a water ballast system, and further comprises an active roll damping mechanism. According to the present invention, the active roll damping mechanism comprises a solid roll damping ballast (110) which is movable in the transverse direction of the hull, a sensor detecting the rolling motion of the hull, and a drive and control system (115) operable to cause and control the movements of the solid roll damping ballast in response to the detections of the sensor to provide roll stabilization.

IPC 8 full level
B63B 39/02 (2006.01)

CPC (source: EP US)
B63B 27/10 (2013.01 - EP US); **B63B 35/4413** (2013.01 - EP US); **B63B 39/02** (2013.01 - EP US); **B63B 39/03** (2013.01 - EP US); **B66C 23/52** (2013.01 - EP US); **B66C 23/53** (2013.01 - EP US); **B66C 23/66** (2013.01 - EP US); **B66C 23/84** (2013.01 - EP US); **B63H 25/42** (2013.01 - EP US)

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2009048322 A1 20090416; CN 101918271 A 20101215; CN 101918271 B 20130911; DK 2207713 T3 20130617; EP 2207713 A1 20100721; EP 2207713 B1 20130320; KR 101533392 B1 20150702; KR 20100071070 A 20100628; US 2010307401 A1 20101209

DOCDB simple family (application)
NL 2008000221 W 20081009; CN 200880120086 A 20081009; DK 08837903 T 20081009; EP 08837903 A 20081009; KR 20107008240 A 20081009; US 68248708 A 20081009