

Title (en)  
VESSELS WITH ROLL DAMPING MECHANISM

Title (de)  
WASSERFAHRZEUGE MIT ROLLDÄMPFUNGSMECHANISMUS

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

Publication  
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Application  
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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.

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