

Title (en)
Active roll stabilisation system for ships

Title (de)
Aktives Rollstabilisierungssystem für Schiffe

Title (fr)
Système de stabilisation active du roulis pour bateaux

Publication
EP 1577210 B1 20080227 (EN)

Application
EP 05075559 A 20050308

Priority
NL 1025733 A 20040316

Abstract (en)
[origin: EP1577210A1] The invention relates to an active roll stabilisation system for ships, comprising at least one stabilisation element (10) extending below the water line, which is mounted on a rotary shaft (4,40) that extends through the ship's hull, sensor means for sensing the ship's movements and delivering control signals on the basis thereof to rotation means for rotating the rotary shaft (4,40) for the purpose of damping the ship's movements that are being sensed by means of the stabilisation element. The object of the invention is to provide an active roll stabilisation system for ships that can be used both with sailing ships and with ship that are at anchor. According to the invention, the active roll stabilisation system is to that end characterized in that the stabilisation element (10) is provided with a sub-element (12,120) that is movable with respect to the stabilisation element. This makes it possible to impart an additional lifting moment to the ship via the stabilisation element (10), both while the ship is sailing and while the ship is at anchor, for the purpose of effectively damping or countering the ship's movements that are being sensed.

IPC 8 full level
B63B 39/06 (2006.01)

CPC (source: EP)
B63B 39/06 (2013.01); **B63B 2039/068** (2013.01)

Cited by
EP2669177A1; DE102011005313B3; CN101879935A; ITTO20120472A1; IT201600094283A1; CN109715487A; JP2019529225A; US10946941B2; US8534211B2; WO2018055649A1; US10077098B2; WO2014065672A1; US9527556B2; WO2018044173A1; US10703449B2; EP2172394B2; EP2172394A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1577210 A1 20050921; EP 1577210 B1 20080227; AT E387376 T1 20080315; DE 602005004944 D1 20080410; DE 602005004944 T2 20090319; DK 1577210 T3 20080616; ES 2299947 T3 20080601; NL 1025733 C1 20050919

DOCDB simple family (application)
EP 05075559 A 20050308; AT 05075559 T 20050308; DE 602005004944 T 20050308; DK 05075559 T 20050308; ES 05075559 T 20050308; NL 1025733 A 20040316