

Title (en)

OSCILLATION SUPPRESSION AND CONTROL SYSTEM FOR A FLOATING PLATFORM

Title (de)

SCHWINGUNGSUNTERDRÜCKUNGS- UND -STEUERSYSTEM FÜR EINE SCHWIMMENDE PLATTFORM

Title (fr)

SUPPRESSION DE L'OSCILLATION ET SYSTEME DE COMMANDE D'UNE PLATE-FORME FLOTTANTE

Publication

EP 1807302 A4 20110921 (EN)

Application

EP 04800709 A 20041103

Priority

US 2004036699 W 20041103

Abstract (en)

[origin: WO2006052234A1] In accordance with the present invention, an oscillation suppression system is provided to inhibit vertical and rotational resonance of a floating platform. The oscillation suppression system includes energy absorption chambers mounted in or about the hull of the floating platform. The chambers may be separately attached or integrated as part of the structure. The chambers are comprised of gas in an upper portion, and water mass in a lower portion. The chambers are closed or partially vented at the upper ends and open at their bottom ends. The enclosed gas in the upper portion of the chamber acts as a gas spring reacting against the floating platform and the water mass. The suppression of resonant oscillations of the floating platform system is accomplished through the gas-spring pressure changes acting on the floating platform system in phase opposition to external forces.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X1] US 4582014 A 19860415 - PATEL MINOO H E [GB]
- [X1] US 2889795 A 19590609 - PARKS MERCER H
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- [A] FR 900773 A 19450709
- [A] FR 2681831 A1 19930402 - ELF AQUITAINE [FR]
- See references of WO 2006052234A1

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DOCDB simple family (publication)

WO 2006052234 A1 20060518; AU 2004324515 A1 20060622; AU 2004324515 A8 20081002; AU 2004324515 B2 20091022; AU 2004324515 B8 20091119; BR PI0418958 A 20071204; BR PI0418958 A8 20180102; CN 1926023 A 20070307; CN 1926023 B 20110511; EP 1807302 A1 20070718; EP 1807302 A4 20110921

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