

Title (en)

MOTION ABSORBING SYSTEM AND METHOD FOR A STRUCTURE

Title (de)

BEWEGUNGSABSORBIERENDES SYSTEM UND VERFAHREN FÜR EINE STRUKTUR

Title (fr)

SYSTÈME D'ABSORPTION DE MOUVEMENT ET PROCÉDÉ POUR UNE STRUCTURE

Publication

EP 4086159 A3 20230301 (EN)

Application

EP 22171757 A 20220505

Priority

US 202117314201 A 20210507

Abstract (en)

A motion absorbing system and method for a structure includes the coupling of a container to a structure. The container has a liquid disposed therein wherein a ullage is defined above a surface of the liquid. An elastic element is positioned in the liquid. The elastic element has a natural frequency tuned to damp motion of the liquid.

IPC 8 full level

B63B 25/24 (2006.01); **B63B 35/44** (2006.01); **B63B 39/00** (2006.01)

CPC (source: EP)

B63B 39/03 (2013.01); **B63B 43/06** (2013.01); **B63B 2001/126** (2013.01); **B63B 2001/128** (2013.01); **B63B 2035/446** (2013.01)

Citation (search report)

- [X] US 3635182 A 19720118 - PAFFETT JAMES ARTHUR HAINES
- [A] US 2010288178 A1 20101118 - MANSOUR ALAA [US]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4086159 A2 20221109; EP 4086159 A3 20230301

DOCDB simple family (application)

EP 22171757 A 20220505