

Title (en)

METHOD FOR CONTROLLING THE TRIM OF A TRANSPORT SHIP WITHOUT SEAWATER BALLAST

Title (de)

VERFAHREN ZUR STEUERUNG DER VERKLEIDUNG EINES TRANSPORTSCHIFFES OHNE SEEWASSERBALLAST

Title (fr)

PROCEDE DE CONTROLE DE L'ASSIETTE D'UN NAVIRE DE TRANSPORT SANS BALLAST D'EAU DE MER

Publication

**EP 3820773 A1 20210519 (FR)**

Application

**EP 19753151 A 20190709**

Priority

- FR 1856298 A 20180709
- FR 2019051710 W 20190709

Abstract (en)

[origin: WO2020012113A1] This invention relates to a method for controlling the trim of a transport ship without seawater ballast (1), having a width l measured along a transverse axis (y'y) of the ship (1), said ship (1) having an empty weight  $P_v$  of 20% to 60% of its total weight  $P_T$ , taking into account a given maximum loading weight capacity  $PTC$ , according to the formula:  $P_T = P_v + PTC$ , at least one first and one second closed liquid tanks (3' or 3''), not communicating with the sea, whose total weight  $PRT$ , when completely filled with a liquid of density equal to 1, makes up 2% to 8%, preferably 3% to 6%, of said empty weight  $P_v$ , said tanks (3', 3'') being in communication, via at least one pipe, in order to transfer liquid from one to the other, and being spaced apart from one another by a distance  $d$ , considering the respective geometric centre of each of said tanks (3', 3'') to be at least  $1/2$  when the tanks (3', 3'') are positioned opposite one another essentially along the transverse axis (y'y):  $d \geq 1/2$ .

IPC 8 full level

**B63B 43/06** (2006.01); **B63B 39/03** (2006.01)

CPC (source: EP KR US)

**B63B 25/16** (2013.01 - KR); **B63B 39/03** (2013.01 - EP KR US); **B63B 43/06** (2013.01 - EP KR US); **B63B 2207/02** (2013.01 - KR 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

DOCDB simple family (publication)

**FR 3083517 A1 20200110**; **FR 3083517 B1 20231027**; AU 2019300418 A 20210128; CN 112469625 A 20210309; EP 3820773 A1 20210519; JP 2021525679 A 20210927; KR 102627020 B1 20240118; KR 20210031471 A 20210319; PH 12021550050 A1 20210920; US 2022204144 A1 20220630; WO 2020012113 A1 20200116

DOCDB simple family (application)

**FR 1856298 A 20180709**; AU 2019300418 A 20190709; CN 201980046896 A 20190709; EP 19753151 A 20190709; FR 2019051710 W 20190709; JP 2021500675 A 20190709; KR 20217002803 A 20190709; PH 12021550050 A 20210108; US 201917259148 A 20190709