

Title (en)  
Arrangement for balancing ships of low tonnage

Title (de)  
Trimmvorrichtung für Schiffe kleiner Tonnage

Title (fr)  
Dispositif d'équilibrage des navires de faible tonnage

Publication  
**EP 1304289 B1 20070124 (FR)**

Application  
**EP 02292550 A 20021016**

Priority  
FR 0113430 A 20011018

Abstract (en)  
[origin: EP1304289A1] The balancing system consists of rows (40) of moving weights linked together in a chain connected to an endless tensioning cable (70) with a drive for moving the weights and a cable tension regulator with moving pulley blocks (73). The weights travel along U-shaped tracks with sides parallel to the sides of the craft, each row driven by at least one powered wheel (60) with cogs engaging with matching notches in the weights.

IPC 8 full level  
**B63B 39/02** (2006.01)

CPC (source: EP US)  
**B63B 39/02** (2013.01 - EP US)

Cited by  
KR101533392B1; EP2952426A1; US8701579B2; DE102015016321A1; WO2007070674A3; WO2009048322A1; WO2011028102A3

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 1304289 A1 20030423; EP 1304289 B1 20070124**; AT E352484 T1 20070215; CN 1193913 C 20050323; CN 1412079 A 20030423; DE 60217789 D1 20070315; DE 60217789 T2 20071122; ES 2281498 T3 20071001; FR 2831135 A1 20030425; FR 2831135 B1 20040123; JP 2003137176 A 20030514; JP 4275926 B2 20090610; RU 2297944 C2 20070427; US 2003075093 A1 20030424; US 6796258 B2 20040928

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