

Title (en)

Boat propulsion with safety plate under the hull of the watercraft

Title (de)

Bootsantrieb mit Scuttschild unter dem Bootsrumpf

Title (fr)

Entraînement de bateau avec plaque de protection sous la coque du bateau

Publication

**EP 2172395 A3 20121017 (DE)**

Application

**EP 09171595 A 20090929**

Priority

US 10215708 P 20081002

Abstract (en)

[origin: EP2172395A2] The system (7) has main portion which is located in opening of plastic made hull. The main portion has propulsion and steering unit (9) which is turned about vertical axis (z) and fixed to the hull by mechanism (12) comprising predetermined fracture point. A stainless steel made protective plate (13) is arranged on hull in direction opposite to the direction of travel (F) and behind the propulsion and steering unit, for protecting hull when propulsion and steering unit is dislodged from hull.

IPC 8 full level

**B63B 43/02** (2006.01); **B63B 3/10** (2006.01); **B63H 5/14** (2006.01)

CPC (source: EP US)

**B63B 43/02** (2013.01 - EP US); **B63H 5/14** (2013.01 - EP US)

Citation (search report)

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- [Y] US 4909175 A 19900320 - ARNSESON HOWARD M [US]
- [A] US 2917019 A 19591215 - KRUEGER FRED C
- [A] WO 0058148 A1 20001005 - VOLVO PENTA AB [SE], et al
- [A] US 5253607 A 19931019 - CHEN SHIJIE [CN]

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SE545425C2; US11975812B2; USD1026955S

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**EP 2172395 A2 20100407; EP 2172395 A3 20121017; EP 2172395 B1 20150708**; US 2010087107 A1 20100408; US 8197292 B2 20120612

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