

Title (en)

LIFTING DEVICE FOR LAUNCHING AND PICKING-UP FLOATING OBJECTS, PARTICULARLY BOATS

Publication

**EP 0230175 B1 19890315 (FR)**

Application

**EP 86402662 A 19861202**

Priority

FR 8518568 A 19851211

Abstract (en)

[origin: US4746157A] A lifting device is provided for rapidly coupling and uncoupling a floating load, such as a boat, when it is set afloat or raised from the water. It includes essentially a hook secured to the load and a coupling element connected by cables to a lifting appliance. The concavity of the hook is turned downwards. Its section is trapezoidal and tapers towards its tip. The coupling element includes two arms whose facing walls are slanted and guide the hook towards the central housing. Springs, disposed laterally in the housing, come to bear against the lateral slanting faces of the hook and prevent it from leaving again.

IPC 1-7

**B66C 1/66**; **B63B 23/40**

IPC 8 full level

**B66C 1/34** (2006.01); **B63B 23/40** (2006.01); **B63B 27/16** (2006.01); **B63B 27/36** (2006.01); **B66C 1/22** (2006.01); **B66C 1/36** (2006.01); **B66C 1/66** (2006.01); **F16B 45/00** (2006.01)

CPC (source: EP KR US)

**B63B 23/40** (2013.01 - EP US); **B63C 7/02** (2013.01 - KR); **B66C 1/66** (2013.01 - EP US)

Cited by

DE102006032299B3

Designated contracting state (EPC)

BE DE GB IT NL SE

DOCDB simple family (publication)

**FR 2591209 A1 19870612**; **FR 2591209 B1 19880408**; CA 1297864 C 19920324; DE 3662382 D1 19890420; EP 0230175 A1 19870729; EP 0230175 B1 19890315; JP H0338191 B2 19910607; JP S62146894 A 19870630; KR 870005868 A 19870707; NO 163181 C 19900418; NO 864948 D0 19861209; NO 864948 L 19870612; US 4746157 A 19880524

DOCDB simple family (application)

**FR 8518568 A 19851211**; CA 524961 A 19861210; DE 3662382 T 19861202; EP 86402662 A 19861202; JP 29357386 A 19861211; KR 860010540 A 19861210; NO 864948 A 19861209; US 94048886 A 19861210