

Title (en)
QUICK-RELEASE MOORING APPARATUS FOR FLOATING VESSELS

Publication
EP 0280114 B1 19920902 (EN)

Application
EP 88101953 A 19880210

Priority
US 1312887 A 19870210

Abstract (en)
[origin: EP0280114A2] An improved platform-mounted apparatus for holding and rapidly releasing a flexible load line (38) having the properties of a wire rope comprises wedge gripper means (100) for holding the line up to a tensile force substantially equal to the breaking strength of the line. The gripper means comprise a grip frame (54, 60, 62) for mounting to the platform (10) and a pair of opposed grip wedges (74). A grip body (102) has seating surfaces which taper toward each other such that motion of the grip wedges (74) into the taper of the seating surfaces (78) causes the opposed grip wedges to wedge together to engage the line (38) and motion out of the taper of the seating surfaces causes release of the line. Release means connected to the pair of grip wedges (74) and the grip body (102) positively move the grip body (102) relative to the grip wedges (74) to cause line release. When the wedge gripper means is combined with a winch means (40) for mounting to a platform, with the winch means having the ability to draw in and hold the line (38) up to a tensile force less than the breaking strength of the line, the combined apparatus can draw in, hold, pay out and rapidly release a mooring line.

IPC 1-7
B63B 21/50

IPC 8 full level
B63B 21/16 (2006.01); **B63B 21/04** (2006.01); **B63B 21/50** (2006.01); **B63B 35/44** (2006.01); **E02B 17/04** (2006.01)

IPC 8 main group level
B63B (2006.01)

CPC (source: EP)
B63B 21/50 (2013.01)

Citation (examination)
US 4093042 A 19780606 - PRADON JACQUES

Designated contracting state (EPC)
FR GB IT

DOCDB simple family (publication)
EP 0280114 A2 19880831; **EP 0280114 A3 19880914**; **EP 0280114 B1 19920902**; BR 8800554 A 19880927; JP S63291789 A 19881129; NO 176705 B 19950206; NO 176705 C 19950516; NO 880567 D0 19880209; NO 880567 L 19880811; RU 2041119 C1 19950809; WO 8806118 A1 19880825

DOCDB simple family (application)
EP 88101953 A 19880210; BR 8800554 A 19880210; JP 3000288 A 19880210; NO 880567 A 19880209; SU 4614669 A 19890810; US 8800466 W 19880209