

Title (en)

CLAMPING JAW ARRANGEMENT FOR A STEPWISE OPERATING HYDRAULIC CABLE TRACTION DEVICE

Publication

**EP 0124796 B1 19870902 (DE)**

Application

**EP 84104097 A 19840412**

Priority

DE 3313199 A 19830412

Abstract (en)

[origin: EP0124796A1] 1. Clamping arrangement for a stepwise operating hydraulic cable traction device for lifting and lowering loads, comprising a pair of clamping jaws (4) movable to and fro by a cylinder and piston unit (1) relatively to a stationary pair of clamping jaws (5), said pairs consisting of wedge-shaped, self-closing clamping jaws (15, 16) which have a rope section groove (18) on their straight side and which are supported by a housing part (9, 10) on their wedge-shaped or tapered side and which have a low-friction bearing arrangement between the wedge-shaped side of the clamping jaws (15, 16) and the housing part (9, 10), each clamping jaw (15, 16) being guided in a form-fit way in the housing part (9, 10) for the opening and closing movements so that the wedge-shaped side of each clamping jaw (15, 16) is held in contact with the bearing path in the housing part (9, 10), characterized in that the actuating elements for hydraulically opening and closing the clamping jaws (15, 16) biased in the closing direction by a spring (17) act on said clamping jaws (15, 16), said actuating elements consisting of hydraulically operated opening and closing pistons (25, 26) which are arranged axially laterally at the housing parts (9, 10), and that the bearing arrangement between the wedge-shaped side of the clamping jaw (15, 16) and a bearing path in the housing part (9, 10) is made of a bearing material with a coefficient of static friction of about 0.04.

IPC 1-7

**B66D 3/02**; **B66F 1/02**

IPC 8 full level

**B66D 3/00** (2006.01); **B66D 3/02** (2006.01); **B66F 1/02** (2006.01)

CPC (source: EP)

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