

Title (en)
ROPE HOISTING AND LOWERING DEVICE

Title (de)
AUF-/ABSEILGERÄT

Title (fr)
APPAREIL DE LEVAGE ET D'ABAISSEMENT A ELINGUE

Publication
EP 0859647 B1 20020320 (DE)

Application
EP 95936930 A 19951204

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Abstract (en)
[origin: US5911410A] PCT No. PCT/CH95/00287 Sec. 371 Date Dec. 5, 1996 Sec. 102(e) Date Dec. 5, 1996 PCT Filed Dec. 4, 1995 PCT Pub. No. WO97/17107 PCT Pub. Date May 15, 1997 In order to increase the operational safety and to reduce the rope wear, hoisting/lowering apparatus comprise one or a combination of novel features: an adaptor (3) is provided in order to allow the attachment of accessories (50), preferably by insertion. Possible accessories are e.g. holders having a loop for the attachment of hooks, and single or multiple blocks for the formation of lifting blocks. Substantially, the adaptor is formed of a number of slot-shaped recesses which are transversely traversed by rod-shaped retaining elements (11, 9). One of said retaining elements (9) is displaceably mounted in order to allow the attachment resp. detachment of an accessory (50). Another measure is to provide a rope stop (102) on the traction side. The rope (103) runs through the rope stop (102) and drives a knurled wheel (110). At a given rope speed, the wheel is coupled to a pivotable brake appendix (118) by means of a centrifugal coupling (113, 115). The rope (103) is then squeezed and blocked between the appendix (118) and a counterpart (108). A third measure consists in providing guiding rolls (36, 37) in order to ensure a spiral-shaped travel of the rope (103) which is free of crossings.

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A62B 1/10

IPC 8 full level
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