

Title (en)

DEVICE WITH A CABLE DRUM FOR LIFTING OR LOWERING A PERSON UNDER HIS OWN CONTROL

Publication

EP 0324127 B1 19920520 (DE)

Application

EP 88121064 A 19881216

Priority

CH 11488 A 19880114

Abstract (en)

[origin: EP0324127A2] The carrying line (5) on which a person can be suspended by means of a safety harness is lowered or raised in a controlled manner via the cable drum (1). The endless drive cable (16) running over the drive wheel (15) serves to control the movement. The lifting is effected by the suspended person pulling on one side of the cable, by the control and drive mechanism (12) via the reduction gearing (14), whereas the friction coupling between the drive wheel (15), the notched wheel (21) with the friction linings (210, 211) and the flange sleeve (20) of the main shaft (2) is released by pulling on the other side of the drive cable (16), and the controlled and braked lowering is effected by the drive cable. When the person lets go of the drive cable (16), full braking is immediately effected. The catches (24) engaging in notches (22) provide a safeguard against return travel during lifting. The device can be used for any activity on perpendicular walls or masts where secured suspension from the topmost part is possible. The advantage consists in the fact that the person fastened to the device can move up or down without an additional aid and can be secured and can work with both hands when stopped. <IMAGE>

IPC 1-7

B66D 1/04; **B66D 3/16**; **B66D 5/22**

IPC 8 full level

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EP 0324127 A2 19890719; **EP 0324127 A3 19900228**; **EP 0324127 B1 19920520**; AT E76385 T1 19920615; CH 674642 A5 19900629; DE 3871360 D1 19920625; ES 2031576 T3 19921216

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