

Title (en)
Rope-lowering device.

Title (de)
Abseilgerät.

Title (fr)
Dispositif pour la descente contrÔlée le long d'une corde.

Publication
EP 0110078 A2 19840613 (DE)

Application
EP 83110211 A 19831013

Priority
DE 3243952 A 19821127

Abstract (en)
[origin: US4580658A] A device for lowering a person or a load on a rope which automatically arrests further movement of the person or load on the rope regardless of which direction the rope passes through the device, which is capable of accommodating ropes of different diameters. The device of this invention includes a friction cylinder disposed on a base plate, a friction body, and a pivotally mounted control lever. The rope is wrapped around at least a portion of the circumference of the friction cylinder and also around the friction body, and the rope thereafter passes between a concave braking surface disposed on the friction body and one end of the control lever. The end of the control lever is provided with two camming surfaces which are positioned on opposite sides of the axis of rotation of the lever. Regardless of the direction of movement of the rope, friction between one of the camming surfaces and the rope causes the rope to be wedged between that camming surface and the concave braking surface on the friction body. Free movement of the rope is permitted by manually positioning the lever in an intermediate position so that both camming surfaces are spaced from the concave braking surface.

Abstract (de)
Bei einem Abseilgerät ist auf einer Grundplatte ein Gleitzylinder, ein weiterer Gleitkörper und ein schwenkbar angeordneter Steuerhebel vorgesehen. Das Seil ist zumindest teilweise um den Gleitzylinder und um den Gleitkörper herumgeführt und läuft zwischen dem Gleitkörper und dem Steuerhebel hindurch. Dabei greift das Seil mit Reibungskraft an dem Steuerhebel an und verschwenkt ihn. Der Gleitkörper (13) weist einen in Laufrichtung des Seils (16) konkaven Oberflächenbereich (15) auf, der gegenüber dem schwenkbaren mit zwei Nocken (22, 23) versehenen Ende des Steuerhebels (19) angeordnet ist.

IPC 1-7
A62B 1/14

IPC 8 full level
A62B 1/14 (2006.01)

CPC (source: EP KR US)
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