

Title (en)  
ROPE-LOWERING DEVICE

Publication  
**EP 0110078 A3 19850515 (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.

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**A62B 1/14**

IPC 8 full level  
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CPC (source: EP KR US)  
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Citation (search report)

- DE 244762 C
- FR 2472395 A1 19810703 - DERRIEN LE FAUCHEUR YVES [MC]
- GB 2044414 A 19801015 - PETZL P

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DE102009034158A1

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**EP 0110078 A2 19840613; EP 0110078 A3 19850515; EP 0110078 B1 19890517;** AT E43069 T1 19890615; CA 1219244 A 19870317; DE 3243952 A1 19840530; DE 3243952 C2 19841129; DE 3379864 D1 19890622; IL 70263 A0 19840229; IL 70263 A 19880831; JP H0526512 B2 19930416; JP S59108567 A 19840623; KR 840007075 A 19841205; KR 890000136 B1 19890308; SG 67389 G 19900126; US 4580658 A 19860408; ZA 838257 B 19840627

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