

Title (en)  
SELF-LOCKING DESCENDING DEVICE FOR ROPE WITH TWO LOCKING POSITIONS

Publication  
**EP 0416079 B1 19930512 (FR)**

Application  
**EP 90904864 A 19900313**

Priority  
FR 8903582 A 19890316

Abstract (en)  
[origin: WO9010476A1] A self-locking descending device for a rope (24) is comprised of a first side plate (18) provided with an articulation axis (30) and with a first fixed pulley (12), a movable support (32) with control lever (34) pivotally mounted on the articulation axis (30) and a second pulley (14) integral with the support (32) and offset with respect to the axis (30). The second pulley (14) has a bulging (14) cooperating with a first braking surface (26) of the first pulley (12) when the lever (34) is in a first locking position. The pivoting support (32) is provided with a keying lug (36), separated from the second pulley (14) by a space (48) for the passage of the rope (24), and cooperating with a second braking surface (28) when the handle (34) is displaced towards a second locking position. The unlocking of the descending device (10) takes place in an intermediary position of the control lever (34). Applications : mountaineering, speleology, climbing and works sites.

IPC 1-7  
**A62B 1/14; A63B 29/02**

IPC 8 full level  
**A63B 29/02** (2006.01); **A62B 1/14** (2006.01)

CPC (source: EP US)  
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Cited by  
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**WO 9010476 A1 19900920**; AU 5288990 A 19901009; AU 622996 B2 19920430; DE 69001596 D1 19930617; DE 69001596 T2 19940113; EP 0416079 A1 19910313; EP 0416079 B1 19930512; ES 2042291 T3 19931201; FR 2644428 A1 19900921; FR 2644428 B1 19920529; JP H03505689 A 19911212; US 5054577 A 19911008

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