

Title (en)
Security descending device for rope.

Title (de)
Sicherheitsabseilvorrichtung.

Title (fr)
Descendeur de sécurité pour corde.

Publication
EP 0593369 A1 19940420 (FR)

Application
EP 93420383 A 19930924

Priority
FR 9212325 A 19921012

Abstract (en)
The abseil (rope) brake (10) includes a first flange (14) for supporting a pulley (16) and a runner (26), and an additional braking lever (34) mounted with limited pivoting in the vicinity of the pulley (16) between an inactive unlocking position for a first direction of winding of the rope (12) into the passage space (20), and an active blocking position, in which a wedging (camming) surface (38) of the lever (34) presses the rope (12) against the pulley (16). The lever (34) is pivoted into its active position automatically in the event of incorrect winding of the rope in a second direction which is opposite to the first direction, and in the presence of tension in the rope when the abseil brake (10) is under load. Application: caving, mountaineering, working at great height. <IMAGE>

Abstract (fr)
Le descendeur (10) comporte un premier flasque (14) de support d'une poulie (16) et d'un patin (26), et un levier (34) auxiliaire de freinage monté à pivotement limité au voisinage de la poulie (16) entre une position inactive de déblocage pour un premier sens d'enroulement de la corde (12) dans l'espace (20) de passage, et une position active de blocage, dans laquelle une surface de coincement (38) du levier (34) presse la corde (12) contre la poulie (16). Le pivotement du levier (34) vers la position active est opérée automatiquement en cas d'un enroulement incorrect de la corde selon un deuxième sens opposé au premier sens, et en présence d'une tension sur la corde lorsque le descendeur (10) est en charge. Application: spéléologie, alpinisme, travaux en hauteur. <IMAGE>

IPC 1-7
A62B 1/14

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

CPC (source: EP KR US)
A62B 1/14 (2013.01 - EP US); **A63B 29/02** (2013.01 - KR); **A63B 29/02** (2013.01 - EP US)

Citation (search report)

- [Y] EP 0398819 A1 19901122 - PETZL ETS [FR]
- [Y] FR 2554102 A1 19850503 - PETZL FERNAND [FR]
- [A] FR 2422587 A1 19791109 - MOTTE DENIS [FR]

Cited by
FR2721523A1; CN103619422A; CN102716554A; EP0688581A1; FR2721522A1; US5577576A; WO2013166846A1

Designated contracting state (EPC)
DE ES GB IT

DOCDB simple family (publication)
EP 0593369 A1 19940420; EP 0593369 B1 19961218; DE 69306727 D1 19970130; DE 69306727 T2 19970717; ES 2096897 T3 19970316; FR 2696647 A1 19940415; FR 2696647 B1 19941125; JP 3231513 B2 20011126; JP H07551 A 19950106; KR 940008710 A 19940516; US 5360083 A 19941101

DOCDB simple family (application)
EP 93420383 A 19930924; DE 69306727 T 19930924; ES 93420383 T 19930924; FR 9212325 A 19921012; JP 25057793 A 19931006; KR 930021133 A 19931012; US 13043593 A 19931001