

Title (en)

ANCHORING AND SUPPORT CLIMBING DEVICE

Title (de)

KLETTERVORRICHTUNG ZUM VERANKERN UND STÜTZEN

Title (fr)

DISPOSITIF D'ANCRAGE ET DE SUPPORT D'ESCALADE

Publication

EP 4003545 A1 20220601 (EN)

Application

EP 20761899 A 20200731

Priority

- IT 201900013551 A 20190731
- IB 2020057276 W 20200731

Abstract (en)

[origin: WO2021019512A1] An anchoring and support device (10) for climbing, suitable for being connected to a safety rope, comprises: - at least two opposite first cams (20, 20'), rotatably hinged to a rotation pin (25, 25') and suitable for operating by exchanging forces along a first line (11) crossing the points wherein said cams (20, 20') contact the opposite walls (100', 100") of a crack or fissure (100) in a rock; - movement means (30) of said rotation pins (25, 25') suitable for increasing the extension distance of the cams (20, 20') between a minimum size limit position and a maximum size limit position of the cams (20, 20'); - locking means (40) for the movement means (30), suitable for locking said rotation pins (25, 25') in a fixed position; and comprises one or more stabilizing means (50) provided with movement means (30) and locking means (40), said stabilizing means (50) being suitable for operating according to an exchange of forces along a second line (12) crossing at least one further contact point (S) with the walls (100', 100"), in order to stabilize and prevent said anchoring and supporting device (10) from rotating inside said crack or fissure (100).

IPC 8 full level

A63B 29/02 (2006.01)

CPC (source: EP US)

A63B 29/024 (2013.01 - EP US); **A63B 2225/09** (2013.01 - EP US)

Citation (search report)

See references of WO 2021019512A1

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Designated extension state (EPC)

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