

Title (en)
Clamp device

Title (de)
Klemmgerät

Title (fr)
Appareil de serrage

Publication
EP 2441500 A1 20120418 (DE)

Application
EP 11007755 A 20110923

Priority
CH 17372010 A 20101015

Abstract (en)
The device (1) has eccentric cams (7.1, 7.2), frames and operating bars or supporting bars provided in plane-parallel active planes (E1), and spring units (6', 6'') and spindles (8.1, 8.2) provided in a rock gap or a rock ridge for securing climbers or objects. The active planes of the eccentric cams are arranged vertical to an active plane of a latch (2) or a telescopic bar, where the latch exhibits a horseshoe-shaped arc. The latch and the telescopic bar are made of steel, titanium or aluminum alloy, where the latch is formed as a two part unit and movable like a telescope.

Abstract (de)
Die Erfindung betrifft eine Klemmvorrichtung vorzugsweise für das Klettern, um vorstehende Grate oder Spalten vorübergehend und gemäß den Ansprüchen so zu umklammern und fest zu klemmen, dass die Klemmvorrichtung unverrückbar fest verankert, aber auch problemlos entfernbar und beliebig oft wieder verwendbar ist.

IPC 8 full level
A63B 29/02 (2006.01)

CPC (source: EP)
A63B 29/024 (2013.01)

Citation (applicant)
• DE 2824654 A1 19781221 - JARDINE RAYMOND
• US 2009230268 A1 20090917 - MALTSEV ALEXANDRE S [US]

Citation (search report)
• [XDY] DE 2824654 A1 19781221 - JARDINE RAYMOND
• [Y] US 2004035992 A1 20040226 - WATTS ALLAN W [US]
• [A] US 4765574 A 19880823 - THOMAS MICHAEL D [US]
• [AD] US 2009230268 A1 20090917 - MALTSEV ALEXANDRE S [US]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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EP 2441500 A1 20120418; EP 2627416 A1 20130821; WO 2012048848 A1 20120419; WO 2012048848 A4 20120628

DOCDB simple family (application)
EP 11007755 A 20110923; EP 11776089 A 20111011; EP 2011005072 W 20111011