

Title (en)  
Protection device for use in climbing

Title (de)  
Schutzvorrichtung zur Verwendung beim Klettern

Title (fr)  
Dispositif de protection pour une utilisation dans l'escalade

Publication  
**EP 2853296 B1 20170719 (EN)**

Application  
**EP 14186458 A 20140925**

Priority  
GB 201317116 A 20130926

Abstract (en)  
[origin: EP2853296A1] A camming device comprises a head (10) on which is carried a plurality of pivotable cam elements (28). Each cam element (28) can pivot between an extended position and a withdrawn position. A trigger (34) is operable to pivot the cam elements (28) towards the withdrawn position. A stem (12) is connected to the head (10), the stem having a first and a second portion, an end part of the first portion being secured to the head (10), and the second portion having two branches that are secured to a common termination component (50) at spaced-apart locations. The first portion of the stem (12) comprises a single tensile member (40) or a plurality of tensile members that extend in contact with one another. At least one cam element (28) has a body on which is formed a working surface (66), in which the body, as manufactured, has applied to it a coating, other than in the region of the working surface.

IPC 8 full level  
**A63B 29/02** (2006.01); **A63B 71/06** (2006.01); **C25D 11/02** (2006.01)

CPC (source: EP GB US)  
**A63B 29/024** (2013.01 - EP GB); **C25D 11/022** (2013.01 - EP GB US); **A63B 2071/0694** (2013.01 - EP)

Cited by  
WO2016192811A1; EP4223374A1

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

DOCDB simple family (publication)  
**EP 2853296 A1 20150401**; **EP 2853296 B1 20170719**; EP 2954937 A1 20151216; EP 2954937 B1 20200506; ES 2639103 T3 20171025; ES 2809569 T3 20210304; GB 201317116 D0 20131106; GB 2521998 A 20150715; GB 2521998 B 20170517

DOCDB simple family (application)  
**EP 14186458 A 20140925**; EP 15174664 A 20140925; ES 14186458 T 20140925; ES 15174664 T 20140925; GB 201317116 A 20130926