

Title (en)

DESCENDER DEVICE ON ROPE WITH GEAR REDUCTION AND PANIC LOCK

Title (de)

SICHERUNGS- UND ABSEILGERÄT ÜBER EIN SEIL MIT ÜBERSETZUNG UND ANTI-PANIK-BLOCKADE

Title (fr)

DISPOSITIF ASSUREUR DESCENDEUR SUR CORDE À DÉMULTIPLICATION ET BLOCAGE ANTI-PANIQUE

Publication

EP 3056248 B1 20170315 (FR)

Application

EP 15200227 A 20151215

Priority

FR 1551093 A 20150211

Abstract (en)

[origin: US2016228730A1] A belay descender device for a rope comprising a cam mounted rotating on a fixed flange to perform locking of the rope when said rope is under tension, and a lever articulated on the cam to perform progressive unlocking of the rope with a geared-down effect at the beginning of unlocking travel of the lever. The operating lever comprises transmission means collaborating with a guide ramp of the flange to interrupt the mechanical link with the cam after an intermediate position of the lever has been passed resulting in freeing from said ramp outside the gearing-down area. The end of the guide ramp of the flange corresponds to the anti-panic position of the transmission means, enabling automatic locking of the device soon as the gearing-down area has been passed.

IPC 8 full level

A62B 1/14 (2006.01); **A63B 29/02** (2006.01)

CPC (source: CN EP US)

A62B 1/10 (2013.01 - CN); **A62B 1/14** (2013.01 - CN EP US); **A63B 29/02** (2013.01 - US)

Cited by

EP3329967A1; FR3059240A1; ES2951571A1; WO2023175209A1

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 3056248 A1 20160817; **EP 3056248 B1 20170315**; CN 105854194 A 20160817; CN 105854194 B 20211026; ES 2620828 T3 20170629; FR 3032354 A1 20160812; TW 201629366 A 20160816; TW I698597 B 20200711; US 10716960 B2 20200721; US 2016228730 A1 20160811

DOCDB simple family (application)

EP 15200227 A 20151215; CN 201610082610 A 20160205; ES 15200227 T 20151215; FR 1551093 A 20150211; TW 105103475 A 20160203; US 201615003886 A 20160122