Title (en)
Device operating on ropes for use in lowering loads

Title (de)
Vorrichtung betrieben an Seilen zum Senken von Lasten

Title (fr)
Dispositif exploité sur des ropes pour destiné à descendre des charges

Publication
EP 1783091 A3 20080528 (EN)

Application
EP 06122589 A 20061019

Priority
GB 0522414 A 20051102

Abstract (en)
[origin: EP1783091A2] A device (1) for use in paying out a rope using the force from a load supported by the rope. The device (1) comprises: a rope trapping arrangement (5); and a rope guiding arrangement defining a first guided position in which the rope is out of the rope trapping arrangement, and a second guided position in which the rope is engaged into the rope trapping arrangement (5). The device is operable in two modes: a first mode in which the rope is held by an operator of the device in the first guided position and the rope can be paid out; and a second mode in which the rope is released by an operator of the device, and the rope is guided to the second guided position, thereby to trap the rope and prevent further paying out of the rope. The rope guiding arrangement may be adapted, in use, to guide the rope to the second guiding position under the action of gravity or under the action of a resiliently biased element.

IPC 8 full level
B66D 3/02 (2006.01); **A62B 1/14** (2006.01); **B66D 5/00** (2006.01)

CPC (source: EP GB)
A62B 1/14 (2013.01 - EP); **B66D 3/02** (2013.01 - EP); **B66D 5/00** (2013.01 - EP); **B66D 5/16** (2013.01 - GB)

Citation (search report)
- [X] WO 02055425 A2 20020718 - HARKEN INC [US]
- [X] EP 0968737 A2 20000105 - TORNOMECCANICA S R L [IT]
- [X] US 2004035348 A1 20040226 - LOB CHUCK [US], et al
- [X] WO 9956035 A1 19991104 - RENTON JULIAN ELWYN [GB], et al

Cited by
ITMI20102470A1; WO2013107070A1; WO2012090063A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1783091 A2 20070509; **EP 1783091 A3 20080528**; **EP 1783091 B1 20110914**; AT E524408 T1 20110915; GB 0522414 D0 20051214; GB 2431907 A 20070509; GB 2431907 B 20090415

DOCDB simple family (application)
EP 06122589 A 20061019; AT 06122589 T 20061019; GB 0522414 A 20051102