

Title (en)

PULLEY WITH A MECHANISM FOR TERMINATING WINDING OF A ROPE AND A WINCH COMPRISING SAID PULLEY

Title (de)

RIEMENSCHIBE MIT EINEM MECHANISMUS ZUM BEENDEN DES AUFWICKELNS EINES SEILS UND EINE WINDE MIT DIESER RIEMENSCHIBE

Title (fr)

POULIE AVEC MÉCANISME DE TERMINAISON D'ENROULEMENT D'UNE CORDE ET TREUIL COMPRENANT LADITE POULIE

Publication

EP 4371924 A1 20240522 (EN)

Application

EP 23210477 A 20231116

Priority

SI 202200228 A 20221121

Abstract (en)

Pulley for a forestry winch, said pulley comprising:- a circular sheave (1) arranged to receive a rope,- a housing (2) shaped to correspond to said sheave (1), wherein the housing (2) comprises: two sides (21), an upper curved or multipart protective plate (22), and at least one free, usually frontal part (23), where the rope can access the sheave (1),- an attachment element (3) for installation on a winch,- a mechanism for terminating winding of the rope which is arranged to interact with a sensor or a switch (4) installable in a winch housing, said mechanism comprising: an impact element (5), preferably shaped as a pair of impact handles, which at least partly covers the free part (23) of the housing (2), wherein the impact element (5) is movably mounted on the housing (2) of the pulley in a mounting (51), wherein a part of the impact element (5) is connected to a rotatably mounted plate (6), which may be one of the sides (21) of the housing (2) or a separate plate, which is rotatably installed on the side (21) of the housing (2), wherein the rotatably mounted plate (6) is arranged to be in contact with the vertically movable element (7), which is upon movement due to rotation of the plate (6) arranged to be sensed by the sensor or a switch (4), and wherein in its extreme position a top part (72) or a bottom part of the vertically movable element (7) is arranged to enter or leave a sensing field of the sensor or the switch (4) depending on the settings of the sensor or the switch (4) configured to cause termination of rope winding.

IPC 8 full level

B66D 1/56 (2006.01); **B66D 3/24** (2006.01)

CPC (source: EP)

B66D 1/56 (2013.01); **B66D 3/24** (2013.01)

Citation (applicant)

- EP 3095748 B1 20170927 - PISEK - VITLI KR PAN D O O [SI]
- EP 3919427 A1 20211208 - PISEK VITLI KR PAN DOO [SI]

Citation (search report)

- [XDYI] EP 3095748 A1 20161123 - PISEK VITLI KR PAN DOO [SI]
- [YD] EP 3919427 A1 20211208 - PISEK VITLI KR PAN DOO [SI]
- [A] CN 114233020 A 20220325 - MEDIUM IRON 24 BUREAU GROUP LTD COMPANY, et al

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