

Title (en)

LIFTING DEVICE FOR MOVING A POLE BETWEEN A HORIZONTAL AND A VERTICAL POSITION

Title (de)

HEBEVORRICHTUNG ZUM BEWEGEN EINES PFOSTENS ZWISCHEN EINER HORIZONTALTEN UND EINER VERTIKALEN POSITION

Title (fr)

DISPOSITIF DE LEVAGE POUR DÉPLACER UN POTEAU ENTRE UNE POSITION HORIZONTALE ET UNE POSITION VERTICALE

Publication

EP 3553014 A1 20191016 (EN)

Application

EP 19167924 A 20190408

Priority

DK PA201870206 A 20180409

Abstract (en)

The invention relates to a lifting device to be used when poles, such as a mast for a sailing ship, a Christmas tree, a pole for supporting wires or the like, are either raised to a vertical position or laid down to a horizontal position, i.e. the lifting device may be used both when a pole is brought from a horizontal to a vertical position and when a pole is brought from a vertical to a horizontal position. The invention relates to a lifting device comprising a frame (1), at least one movable part (2, 2a, 2b, 2c) configured to have at least two positions, a first position where the movable part(s) alone or together with the frame (1) forms a closed loop and a second position where the movable part(s) alone or together with the frame (1) forms an open loop providing an opening allowing a pole to exit or enter into the loop. Further, the device comprises a closing mechanism (4) comprising means for attaching, fixing or connecting the closing mechanism (4) to the at least one movable part (2), and a release mechanism (3) comprising means for attaching, fixing or connecting the release mechanism (3) to the at least one movable part(s) (2) and means for activating the release mechanism (3) from a distance; and fastening means (10) fixing the lifting device to the pole at an operational position. Further, each movable part is made of one or more rigid pieces forming a non-flexible part and the closing mechanism (4) may comprise means for activating the closing mechanism (4) from a distance.

IPC 8 full level

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Citation (applicant)

- US 1908146 A 19330509 - GLEN HELTON
- WO 2014079454 A1 20140530 - TILTMAN APS [DK]

Citation (search report)

- [AD] US 1908146 A 19330509 - GLEN HELTON
- [A] US 2005242602 A1 20051103 - PROTESTO EDWARD R [US]

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