Title (en)
METHOD AND DEVICE IN A LINE WINCH

Title (de)
VERFAHREN UND VORRICHTUNG FÜR EINE SEILWINDE

Title (fr)
PROCÉDÉ ET DISPOSITIF DANS UN TREUIL DE LIGNE

Publication
EP 2271577 A1 20110112 (EN)

Application
EP 09730391 A 20090409

Priority
• SE 2009050373 W 20090409
• SE 0800831 A 20080411

Abstract (en)
[origin: WO2009126108A1] A procedure at and a device for a rope winch (1), embodying a rotatably mounted rope drum (2), around which a rope (3), by force amplification, is windable by means of forcing means, e.g., a crank or one or more motors (27). The rope drum (2) is turned either in a first direction to haul in the rope (3) or in a second direction to veer out rope (3) to an adjusted extent. Upon hauling in of rope (3) onto the drum (2), an inner cone (18) in a double cone coupling is driven by an outer cone (12) therein urged by a ratchet cone of a ratchet wheel (15) in such a manner that a trapezoidal thread (19) is tightened so that the tightening force between the inner and outer cones overcomes the torque provided by the rope (3) via the rope drum (2) and drives a transmission of the winch in such a way that rope (3) is brought in. Upon veering out of rope (3), the same outer cone (12) allows the inner cone (18) to be lifted via the trapezoidal thread (19) so that the tightening force between the ratchet cone and the outer cone (12) is reduced so much that the force from the rope (3) temporary allows the transmission to veer out rope (3) to an adjusted extent in spite of the ratchet being urged against the ratchet cone.

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