

Title (en)

WINCH, METHOD FOR CONTROLLING OPERATION OF A WINCH AND METHOD FOR OPERATING A WINCH

Title (de)

SEILWINDE, VERFAHREN ZUM STEUERN EINES BETRIEBS EINER SEILWINDE UND VERFAHREN ZUM BETREIBEN EINER SEILWINDE

Title (fr)

TREUIL À CÂBLE, PROCÉDÉ POUR COMMANDER LE FONCTIONNEMENT D'UN TREUIL À CÂBLE ET PROCÉDÉ POUR LE FONCTIONNEMENT D'UN TREUIL À CÂBLE

Publication

EP 3319899 B1 20230322 (DE)

Application

EP 16738113 A 20160707

Priority

- DE 102015009057 A 20150707
- EP 2016066106 W 20160707

Abstract (en)

[origin: WO2017005850A1] A method for controlling operation of a winch (100) is proposed. In this case, the method is executable in conjunction with a winch (100) which has a capstan drive unit (110) for hauling a cable (105) into the winch (100) and for paying the cable (105) out of the winch (100), a main drive (115) for driving the capstan drive unit (110), a cable drum (120) for receiving the cable (105) by winding up and unwinding the cable (105), a drum drive (125) for driving the cable drum (120), wherein the drum drive (125) and the main drive (115) are operable independently of one another, and a rotational speed measuring device (130) which is arranged in a cable inlet portion of the winch (100). The method has a step of reading a first rotational speed (152) from the main drive (115) and a second rotational speed (154) from the rotational speed measuring device (130). In addition, the method has a step of determining a torque value for setting a torque of the drum drive (125) depending on the first rotational speed (152) and the second rotational speed (154).

IPC 8 full level

B66D 1/74 (2006.01)

CPC (source: EP US)

B66D 1/46 (2013.01 - US); **B66D 1/741** (2013.01 - EP US); **B66D 1/7415** (2013.01 - US); **B66D 1/76** (2013.01 - US); **B66C 13/23** (2013.01 - US); **B66D 1/12** (2013.01 - US); **B66D 1/38** (2013.01 - US)

Cited by

EP3988495A1; FR3115531A1

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)

WO 2017005850 A1 20170112; CN 107848776 A 20180327; CN 107848776 B 20190621; DE 102015009057 A1 20170112; EP 3319899 A1 20180516; EP 3319899 B1 20230322; US 10421650 B2 20190924; US 2018201489 A1 20180719

DOCDB simple family (application)

EP 2016066106 W 20160707; CN 201680040428 A 20160707; DE 102015009057 A 20150707; EP 16738113 A 20160707; US 201615742696 A 20160707