

Title (en)
LINE WINCH AND A METHOD RELATING THERETO

Title (de)
SEILWINDE UND VERFAHREN DAFÜR

Title (fr)
TREUIL DE LIGNE ET PROCÉDÉ ASSOCIÉ À CELUI-CI

Publication
EP 2627601 A4 20140813 (EN)

Application
EP 11832843 A 20111013

Priority
• SE 1051074 A 20101015
• SE 2011051221 W 20111013

Abstract (en)
[origin: WO2012050516A1] The present invention relates to a line winch (1) and to a method to pull in and let out line. Line winch (1) has a rotatably mounted winch drum (2). Line (3) is wound up by means of a driving device, for example a crank (V) or a motor, by means of which the winch drum (2) can be rotated at different speed in a first direction in order to pull in the line (3), and in a second direction in order to let out line (3). Line (3) under load is pulled in on to the winch drum (2) in that a force or a torque is directed via a driving shaft (5) from the driving device in a first direction, whereby a to the driving shaft connected cone coupling (27, 29) provided with an internal trapezoid thread (16) is tightened, so that a gear wheel (33) mounted on a shaft (32) is actuated, and by meshing with a gear wheel (35), which is mounted on a shaft (A), rotates said wheel, so that the winch drum (2) is operated in a first direction directly or indirectly by means of the gear wheel (35) and another gear wheel (39), which is placed on the shaft (A), by means of a free wheel (35a) acting between the gear wheels (35, 39). Loaded line (3) is let out in that the driving device is actuated in a second driving direction, whereby the cone coupling (27, 29) 'is released and allows that line is let out until the load of the line again tightens the cone' coupling by means of the trapezoid thread when actuation of the driving device in the second driving direction is terminated.

IPC 8 full level
B66D 1/74 (2006.01); **B63B 21/16** (2006.01); **B66D 1/04** (2006.01); **B66D 1/12** (2006.01); **B66D 1/14** (2006.01)

CPC (source: EP SE)
B63B 21/16 (2013.01 - EP SE); **B66D 1/04** (2013.01 - SE); **B66D 1/12** (2013.01 - SE); **B66D 1/14** (2013.01 - SE);
B66D 1/7436 (2013.01 - EP SE); **B66D 1/7484** (2013.01 - EP SE)

Citation (search report)
• [X] WO 2009142573 A1 20091126 - SELDEN MAST AB [SE], et al
• [AD] WO 2009126108 A1 20091015 - SELDEN MAST AB [SE], et al
• See also references of WO 2012050516A1

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 2012050516 A1 20120419; EP 2627601 A1 20130821; EP 2627601 A4 20140813; SE 1051074 A1 20120416; SE 535253 C2 20120605

DOCDB simple family (application)
SE 2011051221 W 20111013; EP 11832843 A 20111013; SE 1051074 A 20101015