

Title (en)

AN ELECTRO-HYDRAULIC WINDER FOR WINDING A WIRE ROPE AND A WINCH WITH SAID WINDER

Title (de)

EIN ELEKTROHYDRAULISCHER AUFWICKLER ZUM AUFWICKELN EINES DRAHTSEILS UND EINE WINDE MIT DEM AUFWICKLER

Title (fr)

ENROULEUR ÉLECTRO-HYDRAULIQUE POUR ENROULER UN CÂBLE MÉTALLIQUE ET TREUIL AVEC LEDIT ENROULEUR

Publication

**EP 4001202 A1 20220525 (EN)**

Application

**EP 21206869 A 20211108**

Priority

SI 202000205 A 20201111

Abstract (en)

The present invention belongs to the field of constructional details of forestry winches, which are related to winding of a rope onto a drum. The present invention relates to an electro-hydraulic winder (5C) for winding a wire rope comprising:- a holder (1, 5) of the winder (5C),- a holder (1, 5) with redirecting cylinders (5A, 5), which are arranged to lead the rope towards the drum, wherein said holder (1, 5) of redirecting cylinders (5A, 5) is movably installed on the housing of the winder (5C) or is coupled to the said housing of the winder (5C) in a movable manner,- a two-way hydraulic cylinder (5C), which is on one side mounted onto the holder (1, 5) with redirecting cylinders (5A, 5) and on the opposite side to the holder (1, 5) of the winder (5C),- a controller, which is preferably controller of the winch, wherein the controller is connected to: o an inductive sensor (2) mounted on the drum for sensing rotation speed of the drum, preferably by sensing grooves on the drum,

IPC 8 full level

**B66D 1/28** (2006.01); **B66D 1/26** (2006.01); **B66D 1/38** (2006.01); **B66D 1/48** (2006.01)

CPC (source: EP)

**B66D 1/26** (2013.01); **B66D 1/28** (2013.01); **B66D 1/38** (2013.01); **B66D 1/485** (2013.01); **B66D 2700/0191** (2013.01)

Citation (applicant)

- US 2662703 A 19531215 - BROWN HOWARD D
- US 2424380 A 19470722 - EUGENE BARKER
- CN 101700859 A 20100505 - YANZHOU COAL MINING CO LTD

Citation (search report)

- [XY] CN 202766182 U 20130306 - UNIV DALIAN TECH, et al
- [X] CN 104355253 A 20150218 - XUZHOU HEAVY MACHINERY CO LTD
- [X] CN 202358865 U 20120801 - SHEYANG OCEAN GOING SHIP AUX Y CO LTD
- [YA] CN 106477472 A 20170308 - SANY AUTOMOBILE MFG CO LTD
- [YA] JP S5682793 A 19810706 - HITACHI CONSTRUCTION MACHINERY
- [YA] CN 203903872 U 20141029 - BAOJI OILFIELD MACHINERY CO
- [YA] DE 2322687 A1 19731122 - AUKRA BRUK AS
- [YA] CN 211594863 U 20200929 - SINOHYDRO BUREAU 5 CO LTD
- [XDP] EP 3819253 A1 20210512 - PISEK VITLI KRPAN DOO [SI]

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 4001202 A1 20220525**; SI 26104 A 20220531

DOCDB simple family (application)

**EP 21206869 A 20211108**; SI 202000205 A 20201111