

Title (en)

Winch arrangement and method of operation thereof

Title (de)

Seilwindenanordnung und Verfahren zu deren Betrieb

Title (fr)

Ensemble de treuil et procédé pour son fonctionnement

Publication

EP 1475347 B1 20071010 (DE)

Application

EP 04009246 A 20040419

Priority

DE 10320946 A 20030509

Abstract (en)

[origin: EP1475347A2] The cable winch system has a cable winch (22), a winch drive (24) and a control unit (21). By the control unit a first operating mode for a lifting and lowering can be set, and a second operating mode in which a load is adjustable on the winch cable. The winch drive has a hydraulic motor connected via hydraulic lines to at least one pressure energy source (20). Piloted valves (9,10,13,14,19) are controlled through the control unit. At least one pressure sensor is installed in the hydraulic lines for measuring of a hydraulic pressure and is connected to the control unit. An independent claim is included for a method for the operating of a cable winch system.

IPC 8 full level

B66D 1/48 (2006.01); **B66C 13/16** (2006.01); **E21B 19/08** (2006.01)

CPC (source: EP US)

B66C 13/16 (2013.01 - EP US); **B66D 1/48** (2013.01 - EP US)

Cited by

US8167154B2; WO2014001043A1

Designated contracting state (EPC)

DE IT

DOCDB simple family (publication)

EP 1475347 A2 20041110; EP 1475347 A3 20051214; EP 1475347 B1 20071010; CN 1329280 C 20070801; CN 1550448 A 20041201; DE 10320946 A1 20041202; DE 10320946 B4 20050504; DE 502004005175 D1 20071122; US 2004232398 A1 20041125; US 7032887 B2 20060425

DOCDB simple family (application)

EP 04009246 A 20040419; CN 200410045193 A 20040509; DE 10320946 A 20030509; DE 502004005175 T 20040419; US 83830104 A 20040505