

Title (en)

WINCH FOR HANDLING, IN PARTICULAR FOR LIFTING, A LOAD

Title (de)

WINDE ZUM HANDHABEN, INSBESONDERE ZUM HEBEN, EINER LAST

Title (fr)

TREUIL POUR LA MANUTENTION, EN PARTICULIER POUR LE LEVAGE, DE CHARGE

Publication

EP 4045453 A1 20220824 (FR)

Application

EP 20801336 A 20201014

Priority

- FR 1911585 A 20191017
- FR 2020051811 W 20201014

Abstract (en)

[origin: WO2021074520A1] Winch (1) comprising a drum (2), a cable (6) which can be wound around the drum (2), means (7) for fastening the load (20) to the cable (6), a motor (3) with a motor shaft (4), a control (17) for the motor (3) that drives the motor shaft (4) to rotate in two opposite directions, and mechanical transmission means (5) for transmitting the rotational movement of the motor shaft (4) to the drum (2), said means (5) being configured so as to allow, in the state in which the motor shaft (4) is driven to rotate in a first direction D1, the transmission of the rotational movement of the motor shaft (4) to the drum (2) in the direction of winding the cable (6) around the drum (2). In the state in which the motor shaft (4) is driven to rotate in the second direction D2, the mechanical movement transmission means (5) are configured so as to not allow the transmission of the rotational movement of the motor shaft (4) to the drum (2), and at least part of these mechanical means (5) is configured to form, in this second operating mode, a brake preventing the drum (2) from being driven to rotate.

IPC 8 full level

B66D 3/18 (2006.01); **B66D 3/22** (2006.01); **B66D 3/24** (2006.01)

CPC (source: EP US)

B66D 1/12 (2013.01 - US); **B66D 1/24** (2013.01 - US); **B66D 1/505** (2013.01 - US); **B66D 3/18** (2013.01 - EP); **B66D 3/22** (2013.01 - EP); **B66D 3/24** (2013.01 - EP); **B66D 2700/0141** (2013.01 - US)

Citation (search report)

See references of WO 2021074520A1

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)

FR 3102164 A1 20210423; **FR 3102164 B1 20211015**; EP 4045453 A1 20220824; US 2022388818 A1 20221208; WO 2021074520 A1 20210422

DOCDB simple family (application)

FR 1911585 A 20191017; EP 20801336 A 20201014; FR 2020051811 W 20201014; US 202017769741 A 20201014