

Title (en)

Winch, in particular free fall winch with a service and holding brake

Title (de)

Winde, insbesondere Freifallwinde mit einer Betriebs- und Haltebremse

Title (fr)

Treuil, en particulier treuil à chute libre doté d'un frein de service et d'arrêt

Publication

EP 3028983 B1 20180207 (DE)

Application

EP 14196525 A 20141205

Priority

EP 14196525 A 20141205

Abstract (en)

[origin: US2016159626A1] A winch is provided that includes a frame and a winch drum mounted for rotation relative to the frame; a gearing via which the winch drum can be rotated by a drive motor attached to the winch, wherein the gearing includes a gear shaft; a first brake that includes a first brake body and a second brake body which is non-rotationally connected to the gear shaft. The first and second brake bodies can be pressed against each other in order to achieve a braking effect based on frictional engagement. A second brake is also provided that includes a third brake body and a fourth brake body which is non-rotationally connected to the gear shaft and/or the second brake body. The third and fourth brake bodies can be pressed against each other in order to achieve a braking effect based on frictional engagement.

IPC 8 full level

B66D 1/12 (2006.01); **B66D 1/14** (2006.01); **B66D 1/22** (2006.01); **B66D 5/00** (2006.01); **B66D 5/14** (2006.01)

CPC (source: CN EP US)

B66D 1/12 (2013.01 - CN US); **B66D 1/14** (2013.01 - EP US); **B66D 1/22** (2013.01 - CN EP US); **B66D 5/00** (2013.01 - US); **B66D 5/023** (2013.01 - CN); **B66D 5/14** (2013.01 - CN EP US); **B66D 2700/07** (2013.01 - CN)

Cited by

DE102017116956A1; CN108574371A; FR3118015A1; EP3372552A1; US11124396B2; WO2019048303A1; WO2022129577A1

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)

EP 3028983 A1 20160608; **EP 3028983 B1 20180207**; CN 105668451 A 20160615; CN 105668451 B 20190104; US 10087056 B2 20181002; US 2016159626 A1 20160609

DOCDB simple family (application)

EP 14196525 A 20141205; CN 201510881365 A 20151203; US 201514958296 A 20151203