

Title (en)
HOISTING WINCH ASSEMBLY

Title (de)
HUBWINDENANORDNUNG

Title (fr)
SYSTÈME DE TREUIL DE LEVAGE

Publication
EP 3317222 B1 20200325 (DE)

Application
EP 16736791 A 20160622

Priority
• DE 202015004788 U 20150703
• DE 202015006083 U 20150828
• EP 2016001060 W 20160622

Abstract (en)
[origin: WO2017005342A1] The invention relates to a hoisting winch assembly (1) comprising at least two preferably axially parallel drums (2) which are arranged axially at a distance from one another and can be driven synchronously with one another by two motors (3) via a gearing assembly. The invention also relates to a crane, in particular a portal and/or container crane, comprising a hoisting winch assembly (1) of this type. According to the invention, the gearing assembly has at least two separate gear trains (4; 5), such that each motor (3) is drivingly connected to a respective drum via an individual gear train. In this way, in comparison to a common gearing, to which both motors are connected, the separate gear trains can have a significantly lighter and smaller design, given that the accumulated output of both motors no longer needs to be transmitted, rather only the output of one motor. Nevertheless, overall, high hoisting capacities can be produced, given that each motor only needs to drive one drum.

IPC 8 full level
B66D 1/14 (2006.01); **B66C 19/00** (2006.01); **B66D 1/26** (2006.01)

CPC (source: EP US)
B66C 19/007 (2013.01 - EP US); **B66D 1/12** (2013.01 - US); **B66D 1/14** (2013.01 - EP US); **B66D 1/26** (2013.01 - EP US)

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)
DE 202015006083 U1 20161006; CN 107922174 A 20180417; CN 107922174 B 20191217; EP 3317222 A1 20180509;
EP 3317222 B1 20200325; ES 2798284 T3 20201210; US 10737917 B2 20200811; US 2018141790 A1 20180524; WO 2017005342 A1 20170112

DOCDB simple family (application)
DE 202015006083 U 20150828; CN 201680039533 A 20160622; EP 16736791 A 20160622; EP 2016001060 W 20160622;
ES 16736791 T 20160622; US 201815860505 A 20180102