

Title (en)

MOTORIZED WINCH FOR RAISING AND LOWERING OBJECTS BY MEANS OF CABLES WITH RESPECT TO A FACILITY

Title (de)

MOTORWINDE ZUM HEBEN UND ABSENKEN VON GEGENSTÄNDEN MITTELS SEILEN RELATIV ZU EINER ANLAGE

Title (fr)

TREUIL MOTORISÉ PERMETTANT D'ÉLEVER ET D'ABAISSEZ DES OBJETS AU MOYEN DE CÂBLES PAR RAPPORT À UNE INSTALLATION

Publication

EP 2857343 B1 20200205 (EN)

Application

EP 13186985 A 20131001

Priority

EP 13186985 A 20131001

Abstract (en)

[origin: EP2857343A1] A motorized winch for raising and lowering, for example, theater scenery by means of cables and which incorporates a tubular support enclosure for supporting and housing a moving drum and the required components for driving, emergency braking and for moving the drum in synchronization with relation to the cable guiding means, preferably mounted on the tubular support enclosure, and for driving the electrical sensors (limit switches and encoder) if desired. This improved winch includes alternate means for supporting the winch unit from the tubular support enclosure through rollers or sliding bearings, mounted to the inside of the tubular support enclosure and engaging the support means part of the movable winch unit. The winding and unwinding of the cables on or off the drum does not change the cable runs relative to the cable guiding means. The improved winch can be used in theaters and can be installed at the sides of the stage, up at the stage gridiron, or above the gridiron.

IPC 8 full level

B66D 1/39 (2006.01)

CPC (source: EP)

A63J 1/028 (2013.01); **B66D 1/39** (2013.01)

Citation (examination)

- US 2007246695 A1 20071025 - HOFFEND DONALD A JR [US]
- EP 1672608 A2 20060621 - BRITTEN PAUL J [US]

Cited by

CN111942527A; KR102506235B1

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 2857343 A1 20150408; EP 2857343 B1 20200205

DOCDB simple family (application)

EP 13186985 A 20131001