

Title (en)
SPEED-CONTROLLABLE LIFTER

Title (de)
DREHZAHLSTEUERBARER HEBER

Title (fr)
DISPOSITIF DE LEVAGE À VITESSE CONTRÔLABLE

Publication
EP 3750601 A1 20201216 (EN)

Application
EP 19180151 A 20190614

Priority
EP 19180151 A 20190614

Abstract (en)
A speed-controllable lifter includes a fixed plate (10), a movable plate (30) and a hanging ring (20), the fixed plate (10) and the hanging ring (20) are connected together with a sliding rope (107). The movable plate (30) is hanged on the sliding rope (107). A speed control device is provided in the fixed plate (10) which includes a stop hub (108), two stop pads (109), two arc-shaped stop pad supports (110) and an adjustment means. The adjustment means includes an upper camshaft (103), a lower camshaft (105) and an adjustment shaft (1032) arranged on the upper camshaft (103). An opening degree between movable ends of the two stop pad supports (110) is adjustable by the adjustment shaft (1032). A brake device is provided in the movable plate (30), which includes a brake drum (313), two brake pads (311), two arc-shaped brake pad supports (312) and a brake means. The brake means includes a driving shaft (306), a driven shaft (308) and a control bar (304) arranged on the driving shaft (306), a degree of the tightness of movable ends of the two brake pad supports (312) is controllable by the control bar (304). This invention overcomes the problem that the structure of conventional speed-controllable lifter are complicated, with inconvenient operation, and especially poor reliability of escape, this invention is easy to manufacture and easy to be accepted by the market.

IPC 8 full level
A62B 1/10 (2006.01); **A62B 1/14** (2006.01)

CPC (source: EP)
A62B 1/10 (2013.01); **A62B 1/14** (2013.01)

Citation (search report)

- [X] CN 103203080 B 20150311 - CHEN LINYUN
- [X] CN 203227221 U 20131009 - CHEN LINYUN

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)
EP 3750601 A1 20201216

DOCDB simple family (application)
EP 19180151 A 20190614