

Title (en)

A HAND-OPERATED RELEASING AND DISPLACING APPARATUS FOR A STAIRCASE LIFT OR SIMILAR TRANSPORT APPARATUS

Publication

EP 0244030 B1 19900131 (EN)

Application

EP 87200782 A 19870424

Priority

NL 8601074 A 19860425

Abstract (en)

[origin: EP0244030A1] A hand-operated releasing and displacing apparatus for a staircase lift or similar transport apparatus, comprising a carrier portion movable along a rail by means of a wheel (4) driven by an electric motor (1) and a reduction gearbox (2). In the event of motor standstill or power failure, a brake (7) is automatically actuated. The apparatus comprises a drive means in the form of a spindle (12) mounted for rotation and being slidable longitudinally against the action of a spring (16) to a hand-operation position, and being adapted to be coupled on the one hand to the wheel drive mechanism and on the other hand to an actuation member (10). Said drive means, upon longitudinal sliding movement to the operable hand-operation position, actuates a current break contact (17, 18) and a mechanical brake releasing device (8). According to the invention, when the drive spindle (12) and the wheel drive mechanism are coupled, the intermediate means have a self-braking effect, the drive spindle (12) is retained automatically in its coupled position and the mechanical brake releasing device (8) is automatically retained in its releasing position.

IPC 1-7

B66B 5/02

IPC 8 full level

B66B 5/02 (2006.01)

CPC (source: EP)

B66B 5/027 (2013.01)

Cited by

CN110546099A; SG100645A1; US6659230B1; EP0947460A1; US5269227A; US5363771A; EP0990614A1; SG91827A1; US5522322A; US6889959B2; WO02096790A1; WO0187755A1; US6273216B1

Designated contracting state (EPC)

AT BE CH DE ES FR GB LI LU NL SE

DOCDB simple family (publication)

EP 0244030 A1 19871104; EP 0244030 B1 19900131; AT E49946 T1 19900215; DE 3761558 D1 19900308; NL 8601074 A 19871116

DOCDB simple family (application)

EP 87200782 A 19870424; AT 87200782 T 19870424; DE 3761558 T 19870424; NL 8601074 A 19860425