

Title (en)
LIFT DRIVE FOR A RAIL-GUIDED CLIMBING SYSTEM

Title (de)
HUBANTRIEB FÜR EIN SCHIENENGEFÜHRTES KLETTERSISTEM

Title (fr)
MÉCANISME DE LEVAGE POUR SYSTÈME GRIMPANT GUIDÉ SUR DES RAILS

Publication
EP 3827146 A1 20210602 (DE)

Application
EP 19748653 A 20190715

Priority
• DE 102018117727 A 20180723
• DE 2019100652 W 20190715

Abstract (en)
[origin: CA3106333A1] The invention relates to a lift drive for A RAIL-GUIDED CLIMBING SYSTEM or a rail-guided climbing system (10), which can be used, in particular, as a climbing formwork, climbing frame, climbing protective wall and/or a climbing working platform. The lift drive comprises climbing shoes (32, 34, 36, 38) that can be arranged on a building (1) in a fixed manner, at least one climbing rail (18) which is guided by the climbing shoes (32, 34, 36, 38) and which can be integrated into a frame unit (11) or secured to the frame unit (11), and a climbing lift rail (24) which can be moved relative to the climbing rail (18) and is guided by the climbing rail (18), wherein the climbing rail (18) and the climbing lift rail (24) can each be mounted in at least one of the climbing shoes (32, 34, 36, 38) in one direction and removed in a direction opposite said direction, and they can be moved in relation to the at least one of the climbing shoes (32, 34, 36, 38). The lift drive also comprises a lift device (26) which is fixed to the climbing rail (18) at one end and to the climbing lift rail (24) at the other end in such a way that a length (3, 4, 5) of a stroke of the lift device (26) corresponds to a movement (3'; 3', 4'; 5', 5") of the climbing lift rail (24) relative to the climbing rail (18), and wherein the length (4) of the stroke when the climbing shoe lift rail (24) is mounted is sufficient to mount the climbing rail (18) such that it is offset by a mounting distance (20) of the climbing rail (18).

IPC 8 full level
E04G 11/28 (2006.01)

CPC (source: EP KR US)
E04G 11/24 (2013.01 - US); **E04G 11/28** (2013.01 - EP KR US); **E04G 2005/008** (2013.01 - KR 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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102018117727 A1 20200123; AU 2019311134 A1 20210211; CA 3106333 A1 20200130; CN 112513392 A 20210316;
DE 112019003709 A5 20210408; EP 3827146 A1 20210602; EP 3827146 B1 20231025; EP 3827146 C0 20231025; ES 2968201 T3 20240508;
KR 102625611 B1 20240116; KR 20210030372 A 20210317; PL 3827146 T3 20240402; SG 11202100494P A 20210225;
US 2021293037 A1 20210923; WO 2020020412 A1 20200130

DOCDB simple family (application)
DE 102018117727 A 20180723; AU 2019311134 A 20190715; CA 3106333 A 20190715; CN 201980047277 A 20190715;
DE 112019003709 T 20190715; DE 2019100652 W 20190715; EP 19748653 A 20190715; ES 19748653 T 20190715;
KR 20217002053 A 20190715; PL 19748653 T 20190715; SG 11202100494P A 20190715; US 201917262505 A 20190715