

Title (en)
LIFTING AUXILIARY

Title (de)
STEIGHILFE

Title (fr)
AUXILIAIRE DE PENTE

Publication
EP 1654040 B1 20110518 (DE)

Application
EP 04738123 A 20040802

Priority

- CH 2004000483 W 20040802
- EP 03018479 A 20030814
- EP 04738123 A 20040802

Abstract (en)
[origin: EP1506799A1] The device has a long rail-like profile (1) with a guide part (9,11) along it, for transmission of a force to profile and/or guide. It also has a climbing aid with two climbing blocks (13,15) having a platform or seat (25,27), and a hand grip (21,23) and/or personnel safety device. A pref. turnable, rotating or rolling power transmission element, e.g. a toothed gear (17,19), engages into/on profile or guide part, and is held in place by a retainer (22,24). Guide part and/or profile are formed by a rack-like longitudinal guide. Each climbing block has a hand grip at the top and a platform at the bottom, and the toothed gear has an eddy current brake or a centrifugal brake, to block free downward movement of the block.

IPC 8 full level
A63B 27/00 (2006.01); **E06C 1/38** (2006.01)

CPC (source: EP KR US)
A63B 27/00 (2013.01 - EP KR US); **E06C 1/04** (2013.01 - KR); **E06C 1/381** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL LT LV MK

DOCDB simple family (publication)
EP 1506799 A1 20050216; AT E509674 T1 20110615; BR PI0413513 A 20061010; CA 2535180 A1 20050224; CN 100536962 C 20090909; CN 1835781 A 20060920; EP 1654040 A1 20060510; EP 1654040 B1 20110518; HK 1095291 A1 20070504; JP 2007502133 A 20070208; KR 101197832 B1 20121109; KR 20060060024 A 20060602; RU 2006107923 A 20060727; RU 2354426 C2 20090510; US 2007189883 A1 20070816; WO 2005016461 A1 20050224

DOCDB simple family (application)
EP 03018479 A 20030814; AT 04738123 T 20040802; BR PI0413513 A 20040802; CA 2535180 A 20040802; CH 2004000483 W 20040802; CN 200480023332 A 20040802; EP 04738123 A 20040802; HK 07100534 A 20070116; JP 2006522866 A 20040802; KR 20067003036 A 20040802; RU 2006107923 A 20040802; US 56806104 A 20040802