

Title (en)
LIFTING AUXILIARY

Title (de)
STEIGHILFE

Title (fr)
AUXILIAIRE DE PENTE

Publication
EP 1654040 A1 20060510 (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 1-7
A63B 27/00

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)

Citation (search report)
See references of WO 2005016461A1

Designated contracting state (EPC)
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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

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