

Title (en)
Climbing aid

Title (de)
Steighilfe

Title (fr)
Auxiliaire de pente

Publication
EP 1277495 B1 20030910 (DE)

Application
EP 02015295 A 20020710

Priority
• DE 10134704 A 20010720
• DE 10163928 A 20011222

Abstract (en)
[origin: EP1277495A1] The climbing aid to assist in climbing a ladder or stairs, and the like, has a safety harness (8), and a constant pull unit (18) with a drive motor (30) to pull a cable (20) to carry a person (10) upwards. The pull forces on the cable are less than the weight of the supported person, who can stop at any stage and move up or down as required, and the free end of the pull cable hangs down for use by a second person. A breaker stops the motor or the transmission from the motor, which can be operated at any point on the ladder or stairs. The safety harness includes a slide, which travels on a guide which is separate from the pull cable.
[origin: EP1277495A1] The climbing aid to assist in climbing a ladder or stairs, and the like, has a safety harness (8), and a constant pull unit (18) with a drive motor (30) to pull a cable (20) to carry a person (10) upwards. The pull forces on the cable are less than the weight of the supported person, who can stop at any stage and move up or down as required, and the free end of the pull cable hangs down for use by a second person. A breaker stops the motor or the transmission from the motor, which can be operated at any point on the ladder or stairs. The safety harness includes a slide, which travels on a guide which is separate from the pull cable.

IPC 1-7
A62B 1/06

IPC 8 full level
A62B 1/06 (2006.01); **E06C 7/18** (2006.01)

CPC (source: EP)
A62B 1/06 (2013.01); **E06C 7/186** (2013.01)

Cited by
JP2012519055A; CN102536107A; CN105936482A; CN111543905A; CN113090098A; US2013048421A1; CN102844518A; CN114949814A; CN111375154A; CN114209998A; CN107489944A; CN110562345A; US8887865B2; WO2011101333A1; WO2005095750A1; US7798288B2; WO2005088063A1; US7987945B2; DE102009040133B4; US11745035B2; US8141681B2; US8602161B2

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

DOCDB simple family (publication)
EP 1277495 A1 20030122; EP 1277495 B1 20030910; AT E249267 T1 20030915; DK 1277495 T3 20040119

DOCDB simple family (application)
EP 02015295 A 20020710; AT 02015295 T 20020710; DK 02015295 T 20020710