

Title (en)

Falling safety device for a telescopic ladder set

Title (de)

Fallschutzeinrichtung für einen ausziehbaren Leitersatz

Title (fr)

Dispositif de sécurité mince pour ensemble d'échelle télescopique

Publication

**EP 2374986 B1 20121226 (EN)**

Application

**EP 10159593 A 20100412**

Priority

EP 10159593 A 20100412

Abstract (en)

[origin: EP2374986A1] The present invention relates to a falling safety device for a telescopic ladder set comprising a plurality of ladder segments, including at least a bottom ladder segment and a top ladder segment being telescopically extractable from the bottom ladder segment. This falling safety device comprises a rope running along the extension direction of said telescopic ladder set at least between a lower point near the bottom of the telescopic ladder set and an upper point located at one of the ladder segments. According to the present invention, a rope guiding means comprises a deflection pulley suspended at the upper point located at the top end of said top ladder segment, and a tackle arrangement disposed between said bottom ladder segment and said top ladder segment. Said tackle arrangement comprises a lower group of tackle pulleys suspended near the bottom end of said top ladder segment and an upper group of tackle pulleys suspended near the top end of said bottom ladder segment. The rope runs from a lower fixing point at the bottom of the telescopic ladder set up to said deflection pulley and further down via said tackle arrangement to an upper fixing point at said bottom ladder segment. When passing said tackle arrangement, the rope is subsequently deflected alternately by tackle pulleys of the lower and upper groups.

IPC 8 full level

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CPC (source: EP)

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Cited by

CN105980652A; US9988842B2; WO2015042277A1

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