

Title (en)
Securing device for extending ladder

Title (de)
Sicherungsvorrichtung für Ausziehleitern

Title (fr)
Dispositif de sécurisation pour échelle à coulisse

Publication
EP 1816312 B1 20100414 (EN)

Application
EP 06026778 A 20061222

Priority
CN 200620001538 U 20060207

Abstract (en)
[origin: EP1816312A2] A ladder is composed of a plurality of rung units and each unit includes two hollow tubes and a rung connected between the two hollow tubes. The hollow tubes of the rung units have gradually reduced outer diameters so that the hollow tubes can be telescopically received to form a compact size. The rung is connected to the two hollow tubes of each rung unit by two connectors and each connector includes two buttons which can be pushed to release the interlock connection between the rung and the hollow tubes so as to easily collapse or extend the ladder.

IPC 8 full level
E06C 1/12 (2006.01); **E06C 7/06** (2006.01)

CPC (source: EP)
E06C 1/125 (2013.01); **E06C 7/06** (2013.01)

Cited by
US11795760B2; US10731413B2; US11174678B2; EP2740879A3; EP3444425A1; US10053912B2; US10753149B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 1816312 A2 20070808; EP 1816312 A3 20090318; EP 1816312 B1 20100414; AT E464454 T1 20100415; CN 2876303 Y 20070307; DE 602006013589 D1 20100527

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