

Title (en)

Tripod stepladder with removable extensions

Title (de)

Dreibeinige Trittleider mit abnehmbaren Ansatzstücken

Title (fr)

Échelle trépied à rallonges amovibles

Publication

EP 2060735 A1 20090520 (EN)

Application

EP 07121000 A 20071119

Priority

EP 07121000 A 20071119

Abstract (en)

The present invention (10) discloses a stepladder having a ladder portion (18) that is comprised of rungs (24) and includes two ladder side rails, and a support portion that includes two angularly disposed telescoping support legs (20) that provide mechanism for stabilizing the ladder. The support legs (20) are interconnected to each other and to the ladder side rails by lockable rigid spanner arms (22). Furthermore, each of the support legs comprises a locking mechanism for securing the support legs to the ladder portion making the tripod stepladder easier to handle and transport. The present invention (10) also provides a retractable fly assembly (52) at the top of the ladder rails to provide for additional usable working height and alternately removable extension members with the upper stepladder portion having hollow support leg shoes. A safety belt (36) is provided on the retractable handle for additional support. A series of apertures with lock key fasteners (28) in each of the support legs provide mechanism for the user to securely position the legs at a desired length. The lock key fastener (28) includes a locking pin that engages an aperture in the corresponding leg to secure the desired position. Indicia are further provided for aiding in leveling the ladder.

IPC 8 full level

E06C 1/22 (2006.01)

CPC (source: EP)

E06C 1/22 (2013.01); **E06C 7/182** (2013.01)

Citation (search report)

- [X] US 7255198 B1 20070814 - LO JENNHWA ALAN [US]
- [A] FR 2068180 A5 19710820 - STALON RENE
- [A] CH 290834 A 19530531 - REITZER CHARLES [FR]
- [A] US 4949809 A 19900821 - LEVI AVRAHAM Y [US], et al
- [A] FR 2832755 A1 20030530 - SEVYLOR INTERNAT [FR]
- [A] US 2005045423 A1 20050303 - MEEKER PAUL K [US]
- [A] GB 2130289 A 19840531 - QUICK SET INC
- [A] DE 25746 C 18841108

Cited by

CN103821450A; CN108868572A; US9534443B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 2060735 A1 20090520

DOCDB simple family (application)

EP 07121000 A 20071119