

Title (en)

Roller for a ladder and assembly of a rung ladder and such roller

Title (de)

Rollen für eine Leiter und Anordnung aus einer Sprossenleiter und solchen Rollen

Title (fr)

Rouleaux pour une échelle et assemblage comprenant une échelle et de tels rouleaux

Publication

EP 2194225 A3 20120418 (DE)

Application

EP 09175553 A 20091110

Priority

DE 202008015903 U 20081202

Abstract (en)

[origin: EP2194225A2] The roller (10) has a wheel holder (12) at which a wheel (11) is fastened in a rotatable manner. A fastening unit (13) including a screw (131) e.g. toggle screw, is provided for detachable fastening to a cross-beam of a ladder. The fastening unit has a spreading element (130) inserted into a recess of the ladder. An axis of rotation of the wheel and an insertion direction of the spreading element lie parallel to each other. The spreading element is designed in a cuboid shape in a non-spreading condition. An independent claim is also included for an arrangement of a ladder and two rollers.

IPC 8 full level

E06C 1/397 (2006.01); **E06C 7/42** (2006.01)

CPC (source: EP)

E06C 1/397 (2013.01); **E06C 7/42** (2013.01)

Citation (search report)

- [AD] DE 202006016788 U1 20070215 - GUENZBURGER STEIGTECHNIK MUNK [DE]
- [AD] EP 1231356 B1 20080305 - LOH KG HAILO WERK [DE]
- [X] EP 0227221 A1 19870701 - FLEXELLO CASTORS & WHEELS [GB]
- [A] US 5881838 A 19990316 - SWANICK JR PAUL E [US]

Cited by

ITVR20120149A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

DE 202008015903 U1 20090219; EP 2194225 A2 20100609; EP 2194225 A3 20120418; EP 2194225 B1 20140115

DOCDB simple family (application)

DE 202008015903 U 20081202; EP 09175553 A 20091110