

Title (en)

Safety device for going up and down stairs

Title (de)

Sicherheitsvorrichtung für das Hochsteigen und Heruntersteigen von Treppen

Title (fr)

Dispositif de sécurité pour la montée et la descente d'escaliers

Publication

EP 2092925 B1 20110413 (FR)

Application

EP 09153224 A 20090219

Priority

- EP 08151658 A 20080220
- EP 09150456 A 20090113
- EP 09153224 A 20090219

Abstract (en)

[origin: EP2092925A1] The device has frontal and dorsal arms (8, 10) driven in a horizontal position or retracted position and fixed on a fixation device in manner to bring the arms at height of user (1). Each arm has a grip bar (24) rotating around an axis of frontal and dorsal protection bars (9, 11), where adjustment angle (alpha) of the bar (24) measured relative to a horizontal plane is of 90 degrees towards bottom and of 45 degrees towards top such that the bar (24) of the dorsal arm supports the user below a waist and the bar (24) of the frontal arm allows the user to support forearm.

IPC 8 full level

A61H 3/00 (2006.01); **B66B 9/08** (2006.01); **E04F 11/18** (2006.01)

CPC (source: EP)

A61H 3/00 (2013.01); **B66B 9/08** (2013.01); **E04F 11/1863** (2013.01); **A61H 2003/001** (2013.01); **A61H 2201/0176** (2013.01)

Cited by

EP2573035A1; CN108797918A; CN106608578A; CN109052106A; CN111411748A; CN106608577A; CN109019259A; CN114305991A; WO2024098141A1

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 TR

DOCDB simple family (publication)

EP 2092925 A1 20090826; **EP 2092925 B1 20110413**; AT E505171 T1 20110415; DE 602009001013 D1 20110526

DOCDB simple family (application)

EP 09153224 A 20090219; AT 09153224 T 20090219; DE 602009001013 T 20090219