

Title (en)
Catching device for a climbing safety system

Title (de)
Fangvorrichtung für ein Steigschutzsystem

Title (fr)
Dispositif de blocage pour système anti-chute

Publication
EP 1514994 B1 20071114 (DE)

Application
EP 04021747 A 20040913

Priority
DE 10342627 A 20030915

Abstract (en)
[origin: EP1514994A2] A safety catch for an operator on a ladder or similar high working positions, has a slider (1) moving along a guide rail (B) fitted on the inside with locking tags (A). A locking lever (3) is pivot mounted (2) about its center of inertia inside the slider and has a roller (4) at the upper end and a braking profile at the lower end. The locking end is held in the retracted setting by a spring. The inertia of the spring is greater than that of the catch and is set to operate the locking action above a set downward speed of the slider. The locking action is failsafe with the locking catch in the locking position if the return spring breaks.

IPC 8 full level
E06C 7/18 (2006.01)

CPC (source: EP)
E06C 7/187 (2013.01)

Cited by
CN116036509A; CN109264436A; CN112717298A; CN109908506A; GB2499798A; GB2499798B; EP3797838A1; WO2009074697A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1514994 A2 20050316; EP 1514994 A3 20060419; EP 1514994 B1 20071114; AT E378494 T1 20071115; DE 10342627 A1 20050407; DE 502004005477 D1 20071227; PL 1514994 T3 20080530

DOCDB simple family (application)
EP 04021747 A 20040913; AT 04021747 T 20040913; DE 10342627 A 20030915; DE 502004005477 T 20040913; PL 04021747 T 20040913