

Title (en)

Safety device for an automatically openable umbrella

Title (de)

Sicherheitsvorrichtung für automatisch aufklappbaren Regenschirm

Title (fr)

Dispositif de sécurité pour parapluie à ouverture automatique

Publication

**EP 2289363 A1 20110302 (EN)**

Application

**EP 10157384 A 20100323**

Priority

CN 200920174028 U 20090826

Abstract (en)

A safety device for an automatically openable umbrella includes a pulling cord (800) connected to an upper hub (500) and a reel member (10) through a runner (600). Reel-out movement of the reel member (10) is restrained by a unidirectional retaining mechanism (30). The safety device further includes an entrapment mechanism (40) disposed in a telescopic central shaft (300) of the umbrella and having a gate member (41) and a retained body (45). The retained body (45) is retained by the gate member (41) when the umbrella is collapsed so as to guard against upward movement of the runner (600), thereby avoiding undesirable opening or extension of the umbrella.

IPC 8 full level

**A45B 25/00** (2006.01); **A45B 25/12** (2006.01); **A45B 25/14** (2006.01)

CPC (source: EP)

**A45B 25/08** (2013.01); **A45B 25/12** (2013.01); **A45B 25/143** (2013.01)

Citation (search report)

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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 ME RS

DOCDB simple family (publication)

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