

Title (en)

Umbrella with an improved runner fastener

Title (de)

Regenschirm mit einer verbesserten Hauptschieberarretierung

Title (fr)

Parapluie avec un dispositif d'arrêt du coulisseau amélioré

Publication

EP 1243196 A1 20020925 (EN)

Application

EP 01302576 A 20010320

Priority

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Abstract (en)

An umbrella includes a runner (30) sleeved slidably on a stem (10) for spreading and collapsing a canopy (50) which is mounted on a ferrule (20). A tubular member (21) surrounds the stem (10), is fixed on the ferrule (20), and is formed with a retaining slot (22) therein. An upper end portion (35) of the runner (30) is formed with a through hole (36) which is aligned with the retaining slot (22) longitudinally, and which can be registered with the same radially when the runner (30) is moved to stretch the canopy (50). A lever member (40) is pivoted to the runner (30) at a fulcrum portion (41), and has upper and lower segments at two opposite sides of the fulcrum portion (41). The upper segment has an anchoring end portion (42) to be received and retained in the retaining slot (22) by the action of a biasing member (44) when the canopy (50) is stretched. <IMAGE>

IPC 1-7

A45B 25/08

IPC 8 full level

A45B 25/08 (2006.01)

CPC (source: EP)

A45B 25/08 (2013.01)

Citation (search report)

- [A] US 5284171 A 19940208 - LIU CHIN-HSIANG [TW]
- [A] GB 931810 A 19630717 - T H LAWTON & CO MANCHESTER LTD, et al
- [A] US 5964235 A 19991012 - WANG MAX [TW]
- [A] US 5253666 A 19931019 - HUANG SHIH-CHEN [TW]

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