

Title (en)
Umbrella runner with locking device

Title (de)
Hauptschieber für einen Schirm mit Verriegelungsvorrichtung

Title (fr)
Coulant pour parapluie avec dispositif de verrouillage

Publication
EP 1438906 B1 20060531 (EN)

Application
EP 03250340 A 20030120

Priority
EP 03250340 A 20030120

Abstract (en)
[origin: EP1438906A1] An umbrella frame device includes a runner (20,200) slidably sleeved on a stem (10,10",100) for spreading and collapsing a canopy. A retaining member (22,22',22",220) has a retaining end (222,222',222") which is movable radially in a slot (24,250) in the runner (20,200) and which is extendable inwardly of the runner (20,200) to slidably contact a slideway on a protuberance (113) disposed on the stem (10,10",100). The retaining end (222,222',222") is brought to slip over an upper edge of the protuberance (113) so as to be retained on a shoulder (13) when the runner (20,200) is moved to an engaging position. A sleeve member (30,30",300) surrounds and is movable relative to the runner (20, 200) , and has a cam surface portion (31,31",310) which can depress the retaining end (222,222',222") radially with a friction force that arrests the runner (20,200) in the engaging position. <IMAGE>

IPC 8 full level
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CPC (source: EP)
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