

Title (en)
Collapsible umbrella

Title (de)
Faltbarer Regenschirm

Title (fr)
Parapluie pliable

Publication
EP 2777427 A1 20140917 (EN)

Application
EP 13250028 A 20130315

Priority
EP 13250028 A 20130315

Abstract (en)
The collapsible umbrella includes a shank (10), an arm assembly (20) and a telescoping mechanism (50). The shank (10) has an upper seat (11) and a lower seat (12). The arm assembly (20) has a plurality of arms for supporting a canopy (30) and connects with the upper seat (11) and the lower seat (12). The lower seat (12) is axially slidably disposed on the shank (10) so as to make the arm assembly (20) collapsible. The telescoping mechanism (50) is disposed between the upper seat (11) and a cap (40) and composed of a fixing rod (51) and an elastic member (52). The fixing rod (51) is formed with a connecting portion (511) fastened to the cap (40). The elastic member (52) has an extending length greater than a length of the fixing rod (51). The elastic member (52) is clamped between the fixing rod (51) and the upper seat (11), so that the telescoping mechanism (50) makes the cap (40) move upward and downward.

IPC 8 full level
A45B 11/00 (2006.01); **A45B 25/10** (2006.01)

CPC (source: EP)
A45B 25/10 (2013.01); **A45B 2011/005** (2013.01)

Citation (search report)

- [X] FR 1422467 A 19651224
- [I] US 1442753 A 19230116 - WEINBERG ISAAC H, et al
- [I] US 239911 A 18810405
- [A] US 7607447 B1 20091027 - HAN JAE-KAB [KR]

Cited by
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Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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