

Title (en)

Free arm umbrella

Title (de)

Schirm mit freitragendem Arm

Title (fr)

Parasol monté en porte-à-faux

Publication

**EP 2777426 A3 20150408 (EN)**

Application

**EP 14158912 A 20140311**

Priority

US 201313793100 A 20130311

Abstract (en)

[origin: EP2777426A2] A free arm umbrella (100) is provided including a mount structure (101), a shade providing structure including an upper hub (102) and a lower hub (103) coupled with the upper hub (102) by a plurality of umbrella structural members (105,106), and a first strut rod (110) and a second strut rod (120), wherein first and second ends of the first strut rod (110) are pivotally coupled with the lower hub (103) and an upper portion of the mount structure (101) respectively, one end of the second strut rod (120) is pivotally coupled with the upper hub (102) and another end is coupled with the mount structure (101). The umbrella (100) includes a rotation device (108) configured to be moveable between first and second positions, wherein when the rotation device (108) is in the first position the shade providing structure is prevented from rotating about an upright axis and wherein the rotation device (108) enables the shade providing structure to rotate about the upright axis when in the second position. The free arm umbrella (100) has advantages of simple structure, convenience of use, economic practicality, and being applicable to narrow space.

IPC 8 full level

**A45B 23/00** (2006.01)

CPC (source: EP)

**A45B 23/00** (2013.01); **A45B 2023/0025** (2013.01); **A45B 2023/0031** (2013.01); **A45B 2023/005** (2013.01); **A45B 2023/0056** (2013.01); **A45B 2023/0075** (2013.01)

Citation (search report)

- [I] WO 2012083607 A1 20120628 - ACTIVA LEISURE INC [CN], et al & US 2013192771 A1 20130801 - MA OLIVER JOEN-AN [US]
- [A] US 4586525 A 19860506 - GLATZ ADOLF [CH], et al

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

DOCDB simple family (publication)

**EP 2777426 A2 20140917; EP 2777426 A3 20150408; EP 2777426 B1 20160629**

DOCDB simple family (application)

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