

Title (en)
UMBRELLA ASSEMBLY

Title (de)
SCHIRMEINHEIT

Title (fr)
ENSEMBLE FORMANT PARAPLUIE

Publication
EP 1211960 A4 20041020 (EN)

Application
EP 00967391 A 20000814

Priority

- US 0040639 W 20000814
- US 14902699 P 19990813
- US 15858099 P 19991007

Abstract (en)
[origin: WO0112009A1] An umbrella assembly (10) comprising a base (12), a pole (14) mounted on the base (12) extending upwardly and outwardly from the base (12), a carriage (16) slidably mounted on the pole (14), and an umbrella frame (20) including an adapter (18) releasably engagable with the carriage (16). A handle (28) is rotatably mounted on the pole (14), and a cable (136) is coupled at one end to the handle (28) and coupled at another end to the umbrella frame (20) such that by rotating the handle (28), the cable (136) is retracted and the umbrella (20) is opened, and by rotating the handle (28) in the opposite direction, the cable (136) is released, the umbrella (20) is collapsed, and the carriage (16) is slidable along the pole (14). The cable (136) is coupled to the adapter (18) such that the adapter (18) may be releasably secured to the umbrella frame (20) to allow the umbrella frame (20) to be tilted and secured in an inclined position.

IPC 1-7
A45B 11/00; **A45B 25/00**; **A45B 25/14**

IPC 8 full level
A45B 17/00 (2006.01); **A45B 23/00** (2006.01); **A45B 25/14** (2006.01)

CPC (source: EP)
A45B 17/00 (2013.01); **A45B 23/00** (2013.01); **A45B 25/14** (2013.01); **A45B 2023/0012** (2013.01); **A45B 2023/0037** (2013.01); **A45B 2023/0062** (2013.01); **A45B 2023/0081** (2013.01); **A45B 2025/146** (2013.01)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 0112009A1

Designated contracting state (EPC)
CH DE ES FR GB IT LI

DOCDB simple family (publication)
WO 0112009 A1 20010222; **WO 0112009 A9 20020801**; AU 7759900 A 20010313; CA 2386386 A1 20010222; CN 1402618 A 20030312; EP 1211960 A1 20020612; EP 1211960 A4 20041020

DOCDB simple family (application)
US 0040639 W 20000814; AU 7759900 A 20000814; CA 2386386 A 20000814; CN 00814086 A 20000814; EP 00967391 A 20000814