

Title (en)

Foldable cover for large areas

Title (de)

Faltbarer Schirm zum Abdecken platzartiger Flächen

Title (fr)

Couverture pliable pour larges surfaces

Publication

EP 1387025 B1 20070411 (DE)

Application

EP 03010708 A 20030513

Priority

- DE 20211878 U 20020801
- DE 20304811 U 20030325

Abstract (en)

[origin: EP1387025A1] The folding umbrella consists of a central mast (1) to which umbrella-arms (8) are directly attached at equal angled distances or attached by a sliding ring (5) consisting of at least two opposite-facing hydraulic cylinders (6). The arms are swiveled by drive mechanisms between a folded-down position and a radial, star-shaped position, and support a folding membrane forming a canopy. Attachment tubes (7) are joined by links to a sliding-ring enclosing the mast.

IPC 8 full level

E04H 15/28 (2006.01); **A45B 19/06** (2006.01); **A45B 23/00** (2006.01); **E04B 7/16** (2006.01)

CPC (source: EP)

A45B 19/06 (2013.01); **A45B 23/00** (2013.01); **E04B 7/16** (2013.01); **E04H 15/28** (2013.01); **A45B 2023/0012** (2013.01)

Cited by

EP2153742A1; DE102008037842A1; CN113482382A; DE102008037842B4; DE202014104060U1; US9347219B2; WO2014140327A1; WO2007137595A1; WO2014001045A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 1387025 A1 20040204; **EP 1387025 B1 20070411**; DE 50306998 D1 20070524

DOCDB simple family (application)

EP 03010708 A 20030513; DE 50306998 T 20030513