

Title (en)

TRI-FOLDED ELECTRIC UMBRELLA HAVING DOUBLE-FOLDED MIDDLE ROD

Title (de)

DREIFACH GEFALTETER ELEKTRISCHER SCHIRM MIT DOPPELT GEFALTETEM MITTELSTAB

Title (fr)

PARASOL ÉLECTRIQUE PLIABLE EN TROIS COMPRENANT UNE TIGE CENTRALE PLIABLE EN DEUX

Publication

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Application

EP 19907514 A 20190817

Priority

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- CN 2019101228 W 20190817

Abstract (en)

[origin: EP3903625A1] A tri-folded electric umbrella having a double-folded shaft comprises a rib (1), a shaft (2), a handle (3), and a control mechanism for opening and closing the umbrella; the shaft (2) comprises an outer tube (21) and an inner tube (22), the outer tube (21) is provided with an upper runner (4) at a top end thereof, and a lower runner (5) is slidably arranged on the outer tube (21); the rib (1) is cooperatively connected with the upper runner (4) and the lower runner (5); the inner tube (22) is connected to an inner tube plug (221) at a top thereof, and connected to the handle (3) at a bottom thereof; the upper runner (4) is provided with an upper runner pulley seat (41); the lower runner (5) is provided with a lower runner slider (51) which is fixedly provided thereon with a lower runner puller seat (52), and a lower runner slider spring (53) is arranged above the lower runner slider (51); a bottom end of the lower runner slider spring (53) is connected to the lower runner slider (51), and a top end of the lower runner slider spring (53) is connected to the lower runner (5); and the control mechanism for opening and closing the umbrella comprises a pushing device (6), a pulling device (7) and a driving device (8). The umbrella has a simple structure, is convenient to operate, is easy to carry and has strong applicability; the rib strength of the umbrella is great when opened, and the volume of the umbrella ribs is small when folded.

IPC 8 full level

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