

Title (en)
Umbrella

Title (de)
Regenschirm

Title (fr)
Parapluie

Publication
EP 1396205 A1 20040310 (EN)

Application
EP 02256231 A 20020909

Priority
EP 02256231 A 20020909

Abstract (en)
An umbrella includes an elongate stem (10), a notch (20) with an insert portion (22) for insertion into a concavity (115) in a top edge wall (111) of the stem (10) , a canopy (60) mounted on a mounting portion (21) of the notch (20), and a rib assembly (40) pivotally mounted to the mounting portion (21) for supporting the canopy (60). A tubular runner (30) is slidably sleeved on the stem (10) and is movable between upper and lower positions for spreading and collapsing the canopy (60) . A stretcher assembly (50) is disposed to stretch or retract the rib assembly (40). The rib assembly (40) can be brought into close proximity of the stem (10) after retraction, thereby resulting in a compact size of the umbrella for convenient storage and carrying. <IMAGE>

IPC 1-7
A45B 25/02

IPC 8 full level
A45B 25/08 (2006.01); **A45B 25/10** (2006.01); **A45B 19/10** (2006.01)

CPC (source: EP)
A45B 25/08 (2013.01); **A45B 25/10** (2013.01); **A45B 19/10** (2013.01)

Citation (search report)
• [A] US 5964234 A 19991012 - BAILLY PHILIPPE [US], et al
• [A] US 4627210 A 19861209 - BEAULIEU BRYAN J [US]
• [A] US 2264881 A 19411202 - GEORGES HERBIN MARIE LOUIS CAM
• [A] US 3638668 A 19720201 - KIDA NOBUTOSHI

Cited by
KR100662078B1

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