

Title (en)
Integrally-formed safety umbrella runner.

Title (de)
Sicherheitshauptschieber für einen Schirm in einem Stück.

Title (fr)
Coulant de sécurité en une pièce pour parapluie.

Publication
EP 0493867 A1 19920708 (EN)

Application
EP 91300032 A 19910102

Priority
EP 91300032 A 19910102

Abstract (en)
An umbrella lower runner (4) slidably held on an umbrella central shaft (1) includes a spring button plate (44) integrally formed with the runner (4) normally extending outwardly for shielding a spring catch (5) resiliently held in the central shaft (1) of the umbrella and operatively depressing the spring catch (5) for lowering the runner (4) for closing the umbrella, so that a depression of the spring button plate (44) on the spring catch (5) will not injure a user's fingers for safety purpose. <IMAGE>

IPC 1-7
A45B 25/06

IPC 8 full level
A45B 25/06 (2006.01)

CPC (source: EP)
A45B 25/06 (2013.01)

Citation (search report)
• [X] FR 1515169 A 19680301
• [X] DE 8327307 U1 19831222
• [A] GB 2151917 A 19850731 - KORTENBACH & RAUH KG
• [A] GB 918830 A 19630220 - KARL KORTENBACH, et al
• [A] DE 1948981 B1 19701126 - BREMSHEY & CO

Cited by
US5566699A; US7806130B2; US6431191B1; US5531237A; US6192907B1; GB2321007A; GB2321007B; GB2344517A; GB2344517B

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

DOCDB simple family (publication)
EP 0493867 A1 19920708

DOCDB simple family (application)
EP 91300032 A 19910102