

Title (en)  
SECTIONAL UMBRELLA

Publication  
**EP 0387069 A3 19910109 (EN)**

Application  
**EP 90302499 A 19900308**

Priority  
JP 2702889 U 19890308

Abstract (en)  
[origin: EP0387069A2] Stem B consists of sections such as 14 and 19 which may be telescopic or screw together. Top piece A screws onto the top of the stem B before the umbrella is opened. Collar 3 is then lowered by sliding on the stem top-piece 1 so that support ribs 5, pivotally-attached to the collar 3, and main ribs 4, pivotally-attached to the flange 2 on the top-piece 1, swing outwards. Each main rib 4 is connected to a support rib 5 by a hinge 6, to which is also connected an extension rib 7. The extension ribs 7 are swung over to align with the main ribs 4 before the collar 3 is lowered to engage the latch on the stem B, causing the covering fabric 8 to be stretched and the main and extension ribs to adopt a bowed formation.

IPC 1-7  
**A45B 25/02**; **A45B 19/10**

IPC 8 full level  
**A45B 19/00** (2006.01); **A45B 19/10** (2006.01); **A45B 23/00** (2006.01); **A45B 25/02** (2006.01)

CPC (source: EP KR)  
**A45B 19/00** (2013.01 - EP); **A45B 19/10** (2013.01 - EP KR); **A45B 23/00** (2013.01 - EP KR); **A45B 25/02** (2013.01 - KR)

Citation (search report)  
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• [A] CH 85957 A 19200716 - WERNER GISIGER [CH], et al  
• [A] CH 98193 A 19230301 - WILLY LEONHARDT [DE]  
• [A] GB 1256901 A 19711215  
• [A] US 3435836 A 19690401 - VANZINI SERGIO

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Designated contracting state (EPC)  
DE FR GB IT NL

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**EP 0387069 A2 19900912**; **EP 0387069 A3 19910109**; AU 5119090 A 19900913; AU 633056 B2 19930121; JP H02119017 U 19900925; KR 900016488 U 19901005; KR 950001816 Y1 19950316

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