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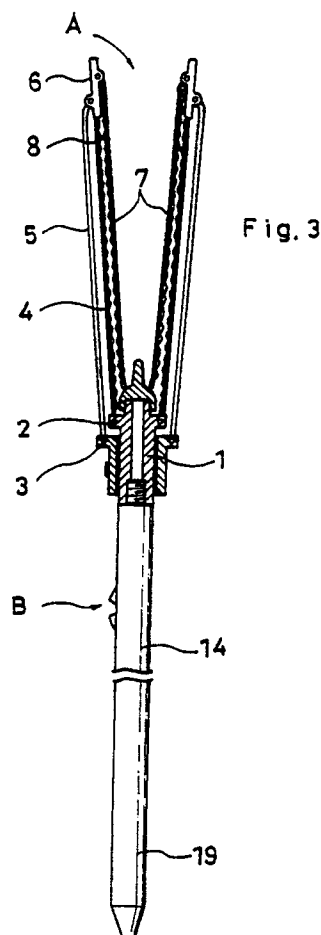
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09.01.91 Bulletin 91/02(71) Applicant: **Kurimoto, Masao**
978 Koizumi-chou
Yamatokouriyama Nara(JP)(72) Inventor: **Kurimoto, Masao**
978 Koizumi-chou
Yamatokouriyama Nara(JP)(74) Representative: **Smith, Philip Antony et al**
REDDIE & GROSE 16 Theobalds Road
London WC1X 8PL(GB)(54) **Sectional umbrella.**

(57) 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.

**EP 0 387 069 A3**



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EUROPEAN SEARCH REPORT

Application Number

EP 90 30 2499

| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|---|---|------------------------------|---|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int. Cl.5) |
| A | FR-A-6 167 60 (ALVARES) * page 1, lines 1 - 53; figures 1, 2 * - - - | 1,2 | A 45 B 19/10 A 45 B 23/00 A 45 B 25/02 |
| A | CH-A-8 595 7 (GISIGER) * the whole document * - - - | 1,2 | |
| A | CH-A-9 819 3 (LEONHARDT) * the whole document * - - - | 1,2 | |
| A | GB-A-1 256 901 (KWOK-WAH PUN) * the whole document * - - - | 1 | |
| A | US-A-3 435 836 (VANZINI) * the whole document * - - - - - | 1 | |
| | | | TECHNICAL FIELDS SEARCHED (Int. Cl.5) |
| | | | A 45 B |
| The present search report has been drawn up for all claims | | | |
| Place of search | | Date of completion of search | Examiner |
| The Hague | | 09 November 90 | RIEGEL R.E. |
| <div>CATEGORY OF CITED DOCUMENTS</div> <div>X : particularly relevant if taken alone</div> <div>Y : particularly relevant if combined with another document of the same category</div> <div>A : technological background</div> <div>O : non-written disclosure</div> <div>P : intermediate document</div> <div>T : theory or principle underlying the invention</div> <div>E : earlier patent document, but published on, or after the filing date</div> <div>D : document cited in the application</div> <div>L : document cited for other reasons</div> <div>& : member of the same patent family, corresponding document</div> | | | |