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84 Designated Contracting States:
DE FR GB

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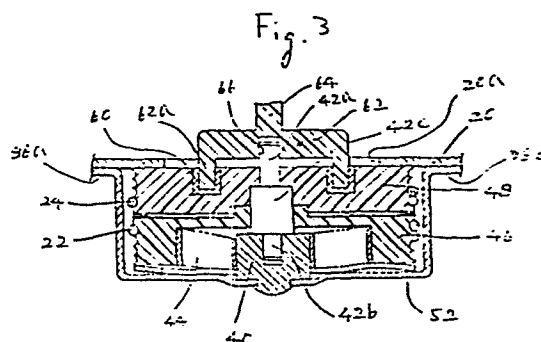
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54 **Wire retracting device of motor-powered window regulator.**

57 In order to stably hold a drum shaft (42) of drive and driven drums (46,48) of the wire retracting device, one axial end (42b) of the shaft is supported by a bearing (40) fixed to a casing (36), and the other axial end (42a) of the same is supported by an output shaft (64) of a motor-powered drive unit (32,34).





European Patent
Office

EUROPEAN SEARCH REPORT

0139269
Application number

EP 84 11 1988

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. 4) |
|--|--|-------------------|--|
| 2 | A GB-A-2 100 791 (NIPPON CABLE SYSTEM INC.) * Figures 1,5,6; claim 2 * | 1,3,4,7-9 | E 05 F 15/16 E 05 F 11/48 |
| 1 | A FR-A-2 508 091 (STE DUCELLIER & CO.) * Figures 3,4; page 3, lines 1-9 * | 1 | |
| 4 | A FR-A-1 102 856 (BENTELER-WERKE AG) * Figures 1,2; page 1, column 2, line 37 - page 2, column 1, line 10 * | 2 | |
| 2 | A DE-A-3 001 617 (AISIN SEIKI) | | |
| | | | TECHNICAL FIELDS SEARCHED (Int. Cl. 4) |
| | | | E 05 F F 16 D |
| The present search report has been drawn up for all claims | | | |

Place of search
THE HAGUE

Date of completion of the search
08-01-1986

Examiner
SCHEIBLING C.D.A.

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
Y : particularly relevant if combined with another document of the same category
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T : theory or principle underlying the invention
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L : document cited for other reasons
& : member of the same patent family, corresponding document