

⑫

# **EUROPEAN PATENT APPLICATION**

⑪ Application number: **84116495.7**

⑤① Int. Cl.<sup>4</sup>: **B 65 D 33/16, A 44 B 19/16**

⑫ Date of filing: **29.12.84**

③① Priority: **30.12.83 US 567240**

⑦① Applicant: **UNION CARBIDE CORPORATION, Old Ridgebury Road, Danbury Connecticut 06817 (US)**

④③ Date of publication of application: **07.08.85 Bulletin 85/32**

⑦② Inventor: **Kamp, Ewald Albert, 5000 South Cornell Avenue, Chicago IL 60615 (US)**

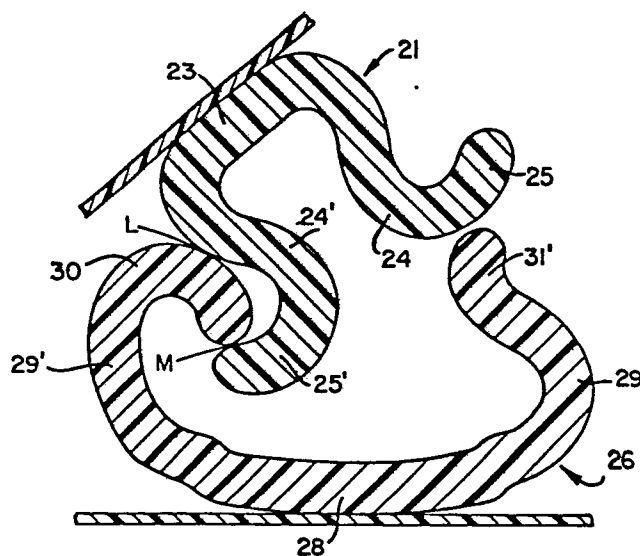
⑧④ Designated Contracting States: **AT BE CH DE FR GB IT LI NL SE**

⑦④ Representative: **Dipl.-Ing. H.G. Görtz, Dr.-Ing. J.H. Fuchs Patentanwälte, Sonnenberger Strasse 100 Postfach 26 26, D-6200 Wiesbaden (DE)**

⑧⑧ Date of deferred publication of search report: **28.08.85 Bulletin 85/35**

⑤④ **Single hinge interlocking closure profile configuration.**

⑤⑦ An interlocking closure fastening device comprising an omega-shaped closure element (21) and a co-acting clamping closure element (26). The co-acting clamping closure element (26) may have a profile portion comprising two generally parallel arm portions wherein one of the arm portions terminates in an inwardly curved hook portion (30), and the other arm portion curves slightly inward prior to terminating in an outwardly extending clamp portion (31'); or the profile portion may comprise two outwardly curved arm portions wherein one of the arm portions terminates in an inwardly curved hook portion, and the other arm portion curves inwardly prior to terminating in a slightly outwardly curved hook portion; or the profile portion may comprise one inwardly curved arm portion (47) terminating in an inwardly curved hook portion (48) and one generally straight arm portion (49).





European Patent  
Office

# EUROPEAN SEARCH REPORT

0150510  
Application number

EP 84 11 6495

| 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) |
| Y                                                                                                                                                                                                                       | GB-A-2 017 813 (UNION CARBIDE CORP.)<br>* Page 1, lines 72-79; page 2, lines 45-75; page 3, lines 70-78; figures 1-8 * | 1-7, 9-23                                                                                                                                                                                                                                                                    | B 65 D 33/16<br>A 44 B 19/16                   |
| Y                                                                                                                                                                                                                       | FR-A-2 444 620 (UNION CARBIDE CORP.)<br>* Page 3, line 33 - page 4, line 11; figures 2-6 *                             | 1-7, 9-23                                                                                                                                                                                                                                                                    |                                                |
| A                                                                                                                                                                                                                       | US-A-3 416 585 (STALLER)<br>* Column 3, lines 38-62; figures 2-5 *                                                     | 1, 7, 9                                                                                                                                                                                                                                                                      |                                                |
|                                                                                                                                                                                                                         |                                                                                                                        |                                                                                                                                                                                                                                                                              | TECHNICAL FIELDS SEARCHED (Int. Cl. 4)         |
|                                                                                                                                                                                                                         |                                                                                                                        |                                                                                                                                                                                                                                                                              | B 65 D<br>A 44 B<br>B 31 B                     |
| The present search report has been drawn up for all claims                                                                                                                                                              |                                                                                                                        |                                                                                                                                                                                                                                                                              |                                                |
| Place of search<br>THE HAGUE                                                                                                                                                                                            |                                                                                                                        | Date of completion of the search<br>24-04-1985                                                                                                                                                                                                                               | Examiner<br>BERRINGTON N.M.                    |
| <b>CATEGORY OF CITED DOCUMENTS</b>                                                                                                                                                                                      |                                                                                                                        |                                                                                                                                                                                                                                                                              |                                                |
| X : particularly relevant if taken alone<br>Y : particularly relevant if combined with another document of the same category<br>A : technological background<br>O : non-written disclosure<br>P : intermediate document |                                                                                                                        | T : theory or principle underlying the invention<br>E : earlier patent document, but published on, or after the filing date<br>D : document cited in the application<br>L : document cited for other reasons<br>& : member of the same patent family, corresponding document |                                                |