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| <b>(51) International Patent Classification <sup>6</sup> :</b><br><b>D01F 8/04, 8/12, 8/14, A46D 1/00, D01D 5/253</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>A1</b> | <b>(11) International Publication Number:</b> <b>WO 97/14830</b><br><b>(43) International Publication Date:</b> 24 April 1997 (24.04.97)                                                                                                                                                                                                           |
| <b>(21) International Application Number:</b> PCT/US96/16293<br><b>(22) International Filing Date:</b> 11 October 1996 (11.10.96)<br><br><b>(30) Priority Data:</b><br>60/005,542      18 October 1995 (18.10.95)      US<br>Not furnished      27 September 1996 (27.09.96)      US<br><br><b>(71) Applicant:</b> E.I. DU PONT DE NEMOURS AND COMPANY<br>[US/US]; 1007 Market Street, Wilmington, DE 19898 (US).<br><br><b>(72) Inventors:</b> RACKLEY, Robert, Lee; 119 Canterbury Drive,<br>Parkersburg, WV 26101-8048 (US). NELSON, Charles,<br>Fletcher; 67 Wildwood Drive, Parkersburg, WV 26101-9661<br>(US).<br><br><b>(74) Agent:</b> KRUKIEL, Charles, E.; E.I. du Pont de Nemours and<br>Company, Legal/Patent Records Center, 1007 Market Street,<br>Wilmington, DE 19898 (US). |           | <b>(81) Designated States:</b> CN, JP, SG, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).<br><br><b>Published</b><br><i>With international search report.<br/>         Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> |
| <b>(54) Title:</b> COEXTRUDED MONOFILAMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                                                                                                                                                                                                                                                                                    |
| <b>(57) Abstract</b><br><p>This invention relates to a coextruded monofilament having a core material made of a first resin and a sheath material made of a second resin, with the second resin being different from the first resin, and a pocket formed in the end of the monofilament. This invention also relates to a method of forming a pocket in the end of a coextruded monofilament by chemical or mechanical means, or a combination of chemical and mechanical means.</p> <div data-bbox="683 1310 1362 1818" data-label="Image"> </div>                                                                                                                                                                                                                                        |           |                                                                                                                                                                                                                                                                                                                                                    |