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Conjugate filaments and process for producing same.

(57)

Conjugate filaments are prepared by a spin-stretch process wherein two polymers having different terminal velocity distances are melt spun at a spinning speed of at least 1829 mpm to form filaments in which the polymers are arranged in an accentric configuration along the length of the filaments and then the filaments are stretched in-line at a stretch ratio greater than 1.0 prior to their being collected. According to a preferred embodiment, the polymers consist of two nylon 66 polymers having different relative viscosities and the spinning conditions are selected to provide filaments having a high level of high-speed crimp and a low level of boiling water shrinkage which render the filaments particularly useful in the construction of stretch garments and, especially, ladies' leg hose and pantyhose.

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EUROPEAN SEARCH REPORT

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| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
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| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int. Cl. 3) |
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| | | | TECHNICAL FIELDS SEARCHED (Int. Cl. 3) |
| | | | D 01 F D 01 D |
| The present search report has been drawn up for all claims | | | |
| Place of search THE HAGUE | | Date of completion of the search 07-10-1985 | Examiner VAN GOETHEM G.A.J.M. |
| <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p> | | | |