Title (en)
Yarn, in particular a sewing yarn

Title (de)
Garn, insbesondere ein Nähgarn

Title (fr)
Fil, en particulier un fil à coudre

Publication
EP 0463635 B1 19951220 (DE)

Application
EP 91112663 A 19890907

Priority
- DE 3831700 A 19880917
- EP 89116516 A 19890907

Abstract (en)
[origin: EP0367938A2] In mfg. a yarn, or partic. sewing thread, using a multifilament core and a second cladding material which is in intersecting loops around the core, the core is multifilament(s) with a strength of 60-75 cN/tex and is passed directly to the fluid eddy stage for cladding without preliminary drawing. Pref. the core component, satd. with a fluid, is subjected to eddies with a forward slip of 1-9%, while the cladding yarn component is passed to the eddy cladding stage with a forward slip of 14-35% (20-30%). The pref. cladding yarn component is a preoriented multifilament POY, given an initial drawing round pref. a heated pin before eddying, using a pin temp. of 110-150 deg.C (120-140 deg.C). The preorientation gives a drawing ratio of 2-40% (10-25). The specific strength of the cladding yarn component is pref. 20-75 cN/tex, and esp. 30-45 cN/tex or 60-75 cN/tex. For effective dyeing, the titre of the filaments in the core is 2-5 dtex (2.5-4.0 dtex), and the cladding filaments are 0.8-5.0 dtex (1-4 dtex). An unmatted multifilament is pref. for the cladding. The ratio of the mass of the core to the cladding is 90:10-50:50 (85:15-70:30). The pref. viscosimetric determd. mol.wt. is greater than that of a standard chemical fibre by 5-50% (by 10-25%). The multifilament core of 16-300 filaments (24-96), has a combined titre of 100-1000 dtex (100-600 dtex).

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D02G 1/16; D02G 3/46

IPC 8 full level
D02G 1/02 (2006.01); D02G 1/16 (2006.01); D02G 3/46 (2006.01)

CPC (source: EP)
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Cited by
EP0569889A1; US5375310A; WO9323593A1; EP0363798B1

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