

Title (en)

GEAR CRIMPED JASPE YARNS AND PROCESSES FOR THEIR MANUFACTURE

Publication

EP 0034439 B1 19840718 (EN)

Application

EP 81300457 A 19810203

Priority

GB 8005388 A 19800218

Abstract (en)

[origin: EP0034439A1] There is provided a drawn gear-crimped yarn with latent bulk, the yarn being a nodally interlaced composite yarn comprising polyester continuous filaments and polyamide continuous filaments in the weight ratio 90:10 to 10:90 and the amount and nature of the bulk and the interlacing being such that the composite yarn has an initial crimp as defined of 2% to 12%, a mechanical crimp stability as defined of above 0% and has 40 to 140 nodes per metre. The gear-crimped yarn may be produced by heating a drawable polyester yarn (1) having a birefringence of at least 30×10^{-3} and a drawable polyamide yarn (4) having a birefringence of at least 30×10^{-3} , simultaneously drawing and gear-crimping the composite yarn by means of toothed draw rolls (11, 12), forwarding the crimped composite yarn from the toothed draw rolls under a controlled tension within the range 0.15 to 0.50 g per decitex based on the decitex of the drawn composite yarn and subsequently nodally interlacing (18) the composite yarn such that it has 40 to 140 nodes per metre, the weight ratio of the polyester yarn to the polyamide yarn being in the range 90:10 to 10:90.

IPC 1-7

D02G 3/34

IPC 8 full level

D02G 1/14 (2006.01)

CPC (source: EP)

D02G 1/14 (2013.01)

Citation (examination)

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Cited by

CN113474500A

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

EP 0034439 A1 19810826; EP 0034439 B1 19840718; AU 532968 B2 19831020; AU 6719281 A 19810827; CA 1157637 A 19831129; DE 3164798 D1 19840823; ZA 81884 B 19820224

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EP 81300457 A 19810203; AU 6719281 A 19810211; CA 370819 A 19810213; DE 3164798 T 19810203; ZA 81884 A 19810210