

Title (en)
Yarn processing method and apparatus

Title (de)
Verfahren zur Behandlung eines Garnes und Vorrichtung

Title (fr)
Procédé de traitement de fil et appareil

Publication
EP 0811711 A3 19990901 (EN)

Application
EP 97303861 A 19970605

Priority
• GB 9611959 A 19960607
• GB 9703378 A 19970218

Abstract (en)
[origin: EP0811711A2] The filaments of a false twisted multifilament textile yarn (14) are intermingled to increase their cohesion, and the residual torque in the yarn (14) is reduced, by forwarding the yarn (14) along a yarn path (11) through a duct (2, 13) in a nozzle body (10, 12), and directing a fluid flow (8, 9, 18) into the duct (2) transversely of the yarn path (11) with the yarn path (11) centrally disposed relative to the fluid flow (8, 9, 18) to intermingle the filaments and simultaneously directing the fluid flow (8, 9) to swirl around the yarn path (11) to reduce the residual torque. This is achieved by directing two fluid flows (8,9) in opposed, overlapping directions but offset relative to each other, or by directing the fluid flow (18) towards a base surface (17) of the duct (13) which is planar and inclined laterally of the duct (13) out of the perpendicular (21) to the direction (20) of fluid flow (18). A yarn threading slot (6, 22) extends longitudinally of the body (10, 12) and communicates with the duct (2, 13) and the exterior of the body (10, 12). The slot (6, 22) has a curved profile between the duct (2, 13) and an enlarged inlet (3, 24) at the exterior of the body (10, 12).
<IMAGE> <IMAGE>

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D02J 1/08

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CPC (source: EP)
D02J 1/08 (2013.01)

Citation (search report)
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