Title (en)
Yarn heating arrangement.

Title (de)
System zum Heizen von Garnen.

Title (fr)
Système pour chauffer des fils.

Publication
EP 0469763 A1 19920205 (EN)

Application
EP 91306633 A 19910722

Priority
GB 9017087 A 19900803

Abstract (en)
A yarn heating arrangement disposed in a straight yarn path crimping zone of a yarn texturing machine (10) comprises a first heater (32) which is maintained at a temperature in excess of the yarn's (13) crimp setting temperature, and may be above the melting temperature of the yarn (13),and heats the yarn (13) rapidly by radiation to a temperature of between 85% and 98% of its crimp setting temperature, and a smoothing heater plate (31) contacted by the yarn and maintained at the crimp setting temperature in order to heat the yarn (13) to that temperature. The overall length of the two heaters (31, 32) is less than that of a conventional contact plate heater, but they provide equivalent yarn temperature control which is greater than that provided by a high temperature non-contact heater alone. The heaters (31,32) are located between a twist-stop (23) and a false-twisting device (17) of the texturing machine (10). <IMAGE>

IPC 1-7
D02G 1/02; D02J 13/00

IPC 8 full level
D02G 1/02 (2006.01); D02J 13/00 (2006.01)

CPC (source: EP)
D02G 1/0266 (2013.01); D02J 13/001 (2013.01); D02J 13/003 (2013.01)

Citation (search report)
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Designated contracting state (EPC)
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DOCDB simple family (application)
EP 91306633 A 19910722; GB 9017087 A 19900803; GB 9115570 A 19910718; JP 20485891 A 19910720