

Title (en)
PROCESS AND DEVICE FOR MAKING ELASTIC YARN

Publication
EP 0036948 B1 19840725 (DE)

Application
EP 81101383 A 19810225

Priority
DE 3012753 A 19800402

Abstract (en)
[origin: US4388801A] A process and apparatus for producing a twisted elastic thread in which an elastomeric thread of substantially 154 dtex to 310 dtex, is adhesively twisted with two yarns. The thickness of each of the two yarns is substantially of 100 to 12,500 dtex, and the yarns preferably are OE yarns of polyvinyl chloride, polyvinyl cyanide, polyacrylonitrile and/or wool threads, preferably produced by the rotor process. Prior to twisting, the yarns are surface-swelled under a vacuum between substantially 0.1 and 0.2 bar in superheated steam at substantially 70 DEG C. for up to ten minutes for loosening purposes. During twisting, a pre-tension is imparted to the elastomeric thread with respect to the yarns. Such pre-tension is imparted to the elastomeric thread only a predetermined time after starting the twister, and the elastomeric thread is pre-tensioned by substantially 2 to substantially 5 times compared with the yarns.

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D02G 3/32; **D01H 5/36**

IPC 8 full level
D01H 5/36 (2006.01); **D02G 3/32** (2006.01)

CPC (source: EP US)
D02G 3/324 (2013.01 - EP US)

Cited by
DE102007050489A1; DE102005062351B4; EP0054652A1; EP1721732A1; EP2039814A1; EP1724103A1; DE202007014733U1; US7851390B2; DE202007019457U1

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