

Title (en)

Yarn supply means.

Title (de)

Fadenliefersystem.

Title (fr)

Système d'alimentation en fil.

Publication

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Application

EP 92300679 A 19920127

Priority

GB 9102956 A 19910212

Abstract (en)

In the feeding of an elastomeric yarn (10) having a very low modulus of elasticity, for example for forming a composite yarn (50) from the elastomeric yarn (10) and a relatively inelastic yarn (22) such as nylon, the elastomeric yarn is fed from a supply package (12) in a relaxed form, through a precisely controlled tensioning device (90). The tensioning device (90) includes a driven reel (91) carrying several turns of the elastomeric yarn (10) and a tension detector means comprising a pivoted arm (93) biased by a torque motor acting on a lever (97) which is pivoted (98), rotation of the lever (97) controlling a stepper motor drive to the tensioning reel (91). Since the drive to the tensioning reel (91) is continuously adjusted in response to the actual instantaneous tension in the elastomeric yarn (10), the tension can be maintained precisely throughout the supply from the package (12) which can therefore be connected nose to tail with a second reserve package (12') for high speed continuous feeding of the elastomeric yarn.

<IMAGE>

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CPC (source: EP)

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Citation (search report)

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