

Title (en)

THREAD FEEDING DEVICE FOR STOCKING KNITTING MACHINES FOR MAKING A HEEL POCKET IN CONTINUOUS MOTION

Publication

EP 0114153 B1 19870506 (FR)

Application

EP 84830008 A 19840112

Priority

IT 930983 A 19830114

Abstract (en)

[origin: EP0114153A2] The guide system for a thread entering a stocking knitting machine having a cylindrical array of needles which rotates constantly and a supplementary thread guide which can skip over selected groups of needles to form the heel of the stocking is complemented by a supplementary concentric array of guide plates backed by an annular cam above the level of the plates alongside the tops of the needles but below the level of the cap through which the filament enters coaxially. The cam is shaped to induce a centripetal movement of the plates to be followed by a centrifugal recoil at appropriate intervals controlled by interruption of the motions of a pair of concentric toothed racks having an intermediate pinion and pins which can be intercepted by deployment of radial check rods. Slows the main array of needles to rotate continuously while causing the amount of thread deployed to be varied to suit the shape of a heel or other modification of the stacking profile so that the circumferential threads do not exhibit excessive residual tension.

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D04B 9/56

IPC 8 full level

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