

Title (en)

Method for forming hosiery items or tubular knitted items having a closed end with a circular hosiery knitting machine

Title (de)

Verfahren zur Herstellung von Strumpfwaren oder gestrickten Schlauchwaren mit einem geschlossenen Ende an einer Strumpfundstrickmaschine

Title (fr)

Procédé pour la fabrication de chaussettes ou tricot tubulaire à un bout fermé dans un métier à tricoter circulaire de chaussettes

Publication

EP 0870857 A3 19991020 (EN)

Application

EP 98104119 A 19980309

Priority

IT MI970851 A 19970411

Abstract (en)

[origin: EP0870857A2] A method for producing hosiery items or tubular knitted items having a closed end with a circular hosiery knitting machine provided, proximate to the needle work area, with a transfer element which faces one half of the needle cylinder and is provided with thread takeup elements (1) which can be actuated radially to the needle cylinder and are suitable to engage the thread or threads fed by at least one feed of the machine, in the region between two contiguous needles. The transfer element is able to turn over about a diametrical axis (7) of the needle cylinder. The method consists in performing a first step, during which the needle cylinder is actuated with n oscillations about its own axis (5) with an oscillation angle of substantially 180° , in order to cause the passage, in front of a thread feed of the machine, of a first half (3a) of the needle cylinder which is faced by the transfer element. During this first step, the corresponding thread takeup elements (1) that are arranged in a sector that is less than 180° wide are extracted from the transfer element and $1/n$ of the needles (2a) of the first half (3a) of the needle cylinder are lifted into the active position at each oscillation and are then lowered after taking up the thread or threads, which rests or rest on the takeup elements (1) extracted from the transfer element. A second step is then performed during which the previously extracted takeup elements are retracted into the transfer element so as to retain the thread that is rested on them. Then a third step, during which heel knitting is performed with the needles of the first half (2a) of the needle cylinder (3a), and a fourth step, during which the transfer element is turned over about the diametrical axis (7) and made to face the second half (3b) of the needle cylinder, are performed. During a fifth step, the thread or threads retained by the takeup elements (1) and the knitted loops are transferred from the needles (2a) of the first half (3a) of the needle cylinder that are arranged laterally to the sector of the transfer element to the needles (2b) of the second half (3b) of the needle cylinder. Finally, the machine is actuated so as to complete the item as a continuation of the previous processes. <IMAGE>

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CPC (source: EP KR)

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Citation (search report)

- [DA] EP 0756029 A1 19970129 - MATEC SRL [IT]
- [A] WO 9637649 A1 19961128 - GOLDEN LADY SPA [IT], et al
- [A] WO 9534702 A1 19951221 - GOLDEN LADY SPA [IT], et al

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DOCDB simple family (application)

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