

Title (en)

METHOD FOR CLOSING A KNITTED TUBULAR ARTICLE AT AN AXIAL END THEREOF

Title (de)

VERFAHREN ZUM SCHLIESSEN EINES GESTRICKTEN SCHLAUCHFÖRMIGEN ARTIKELS AN EINEM AXIALEN ENDE DAVON

Title (fr)

PROCÉDÉ DE FERMETURE D'UN ARTICLE TUBULAIRE TRICOTÉ AU NIVEAU D'UNE EXTRÉMITÉ AXIALE CORRESPONDANTE

Publication

**EP 4222300 A1 20230809 (EN)**

Application

**EP 21778020 A 20210916**

Priority

- IT 202000023137 A 20201001
- EP 2021075420 W 20210916

Abstract (en)

[origin: WO2022069235A1] A method for closing a knitted tubular article at an axial end thereof, at the end of its production cycle on a circular hosiery knitting machine, comprising: - production of the article up to the execution of the last course of knitting, retaining the loops of knitting of said last course of knitting in the head of the needles of the machine that formed them; - individual gripping of the loops by a pickup device provided with pickup elements arranged against the region of the stem of each needle located proximate to the latch on the opposite side with respect to the head; - removal of the article, retaining each loop of the last course formed by means of the pickup elements; - positioning the article at a sewing station; - individual transition of the loops from pickup elements to spikes of an annular device composed of two semiannular portions; - inverting the article retained by said handling device; - superimposing each one of the loops of one half course of knitting on a corresponding loop of the other half course of said last course of knitting on a same spike of said handling device by means of the overturning; - sewing the pairs of loops of knitting that are mutually superimposed; - disengagement of the manufacture from said handling device, said step of removal of the manufacture comprising a first extraction preparation step, a second manufacture extraction step, and a third manufacture transfer step. A particular order of commands of the different steps is provided.

IPC 8 full level

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CPC (source: EP KR US)

**D04B 1/26** (2013.01 - KR); **D04B 9/40** (2013.01 - EP US); **D04B 9/46** (2013.01 - US); **D04B 15/02** (2013.01 - EP KR US); **D04B 15/38** (2013.01 - KR)

Designated contracting state (EPC)

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DOCDB simple family (publication)

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