

Title (en)

YARN CLIPPING AND CUTTING STRUCTURE FOR A STRIPING APPARATUS OF A CIRCULAR KNITTING MACHINE

Title (de)

GARNKLEMM- UND -SCHNEIDSTRUKTUR FÜR EINE ABZIEHVORRICHTUNG EINER RUNDSTRICKMASCHINE

Title (fr)

STRUCTURE DE COUPE ET DE RETENUE DU FIL POUR UN DISPOSITIF DE CHANGEMENT EN FILS POUR UNE MACHINE À TRICOTER CIRCULAIRE

Publication

EP 3103905 A1 20161214 (EN)

Application

EP 15171550 A 20150611

Priority

EP 15171550 A 20150611

Abstract (en)

A yarn clipping and cutting structure for a striping apparatus (1) of a circular knitting machine. The striping apparatus (1) includes a plurality of yarn clipping and cutting structures (2). Each yarn clipping and cutting structure (2) includes two yarn clipping and cutting drive blades that abut each other and can be driven synchronously. A first yarn clipping and cutting drive blade (3a) is bordered by a yarn feeding blade (6) at one side. The first yarn clipping and cutting drive blade (3a) and the yarn feeding blade (6) are interposed by a yarn clipping blade (4). The first yarn clipping and cutting drive blade (3a) has a first end edge formed a first yarn picking portion (30a). The first yarn picking portion (30a) has a directing section (31). A second yarn clipping and cutting drive blade (3b) has another side opposing the yarn clipping blade (4) with a yarn cutting blade (5) located thereon. The second yarn clipping and cutting drive blade (3b) has a second end edge formed a second yarn picking portion (30b). The second yarn picking portion (30b) has a spaced section (32) to form an elevation difference against the directing section (31) so that colored yarns (8) can be securely clipped and cut off only at one side, thereby can prevent yarn dropping or generation of yarn debris. As a result, product defects can be reduced and knitting operation stability of knitting needles can be enhanced.

IPC 8 full level

D04B 15/60 (2006.01)

CPC (source: EP)

D04B 15/60 (2013.01)

Citation (applicant)

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- US 5070709 A 19911210 - GUEELL JOSE M D [ES]
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Citation (search report)

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- [A] DE 1635868 A1 19720302 - MAYER & CIE MASCHINENFABRIK
- [A] WO 0073564 A1 20001207 - MECMOR SPA [IT], et al
- [A] US 2618951 A 19521125
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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3103905 A1 20161214; EP 3103905 B1 20171206; TR 201802784 T4 20180321

DOCDB simple family (application)

EP 15171550 A 20150611; TR 201802784 T 20150611