

Title (en)
CIRCULAR KNITTING MACHINE KNITTED FABRIC SEAMING METHOD AND CIRCULAR KNITTING MACHINE SYSTEM

Title (de)
VERFAHREN ZUM SÄUMEN VON MIT EINER RUNDSTRICKMASCHINE GESTRICKTER MASCHENWARE UND
RUNDSTRICKMASCHINENSYSYSTEM

Title (fr)
PROCÉDÉ DE COUTURE DE TRICOT POUR TRICOTEUSE CIRCULAIRE, ET SYSTÈME DE TRICOTEUSE CIRCULAIRE

Publication
EP 3187633 A1 20170705 (EN)

Application
EP 15836915 A 20150324

Priority
• JP 2014176630 A 20140829
• JP 2015058877 W 20150324

Abstract (en)
Provided are a knitted-fabric seaming method for a circular knitting machine for making a linking portion dense as with other loops, and a circular knitting machine system. Transferring needles (34) are advanced in an axial direction of knitting needles (21), such that the transferring needles (34) and the knitting needle (21) are continuous with each other in the axial direction. A tip-end protrusions (34e) of each of the transferring needles (34) is shifted inward. Transferring sinkers (49) are moved from the knitting needles (21) to the transferring needles (34) in the axial direction of the knitting needles (21). Tip-end protrusions (34e) of the transferring needles (34) are inserted into inner loops (26a) of a knitted fabric (27), which are located inside final loops (26) caught on the knitting needles (21), such that the knitted fabric (27) is transferred from the knitting needles (21) to the transferring needles (34). The inner loops (26a) transferred to the transferring needles (34) are linked. The size of each of the loops to be linked becomes smaller in comparison with the case where the final loops are transferred to the transferring needles to perform the linking. Thus, it is possible to make a linking portion dense as with other loops, so as to increase durability and the quality of the outer appearance.

IPC 8 full level
D04B 15/88 (2006.01); **D04B 9/56** (2006.01); **D04B 15/02** (2006.01); **D04B 15/06** (2006.01)

CPC (source: EP KR)
D04B 9/40 (2013.01 - EP); **D04B 9/56** (2013.01 - KR); **D04B 15/02** (2013.01 - EP KR); **D04B 15/06** (2013.01 - EP KR);
D04B 15/88 (2013.01 - KR); **D04B 15/92** (2013.01 - EP); **D05B 23/009** (2013.01 - EP)

Cited by
CN113493955A; IT201900017141A1; EP3514277A1

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 3187633 A1 20170705; **EP 3187633 A4 20170906**; **EP 3187633 B1 20190306**; CN 106795668 A 20170531; CN 106795668 B 20180417;
KR 101783287 B1 20171023; KR 20170033447 A 20170324; TR 201904912 T4 20190521; TW 201610255 A 20160316;
TW I537444 B 20160611; WO 2016031282 A1 20160303

DOCDB simple family (application)
EP 15836915 A 20150324; CN 201580045326 A 20150324; JP 2015058877 W 20150324; KR 20177006573 A 20150324;
TR 201904912 T 20150324; TW 104126177 A 20150812