Title (en)

A PLATING-KNITTING METHOD AND A FLAT KNITTING MACHINE FOR THE METHOD

Title (de)

PLATTIER-STRICKVERFAHREN UND FLACHSTRICKMASCHINE FÜR DAS VERFAHREN

Title (fr)

PROCÉDÉ DE TRICOTAGE PAR VANISAGE ET MACHINE À TRICOTER RECTILIGNE POUR LE PROCÉDÉ

Publication

EP 3315642 B1 20190515 (EN)

Application

EP 17199054 A 20171027

Priority

JP 2016213361 A 20161031

Abstract (en)

[origin: EP3315642A1] Aligning and feeding two knitting yarns (24, 25) from a yarn feeder (10, 30a, 30b) to knitting needles (19) in a needle bed (4), and plating-knitting such that one of the two knitting yarns appears on the face of a knitted fabric as a face yarn and the other appears on the back of the knitted fabric as a back yarn. Changing the relation of the greater and smaller of tensions applied to the two knitting yarns (24, 25) by a tension control unit (15), making the knitting yarn with the greater tension take a lower position at the guide surface (22) and within the hook (18) of knitting needles (19) as the face yarn, making the other knitting yarn with the smaller tension take a higher position at the guide surface (22) and within the hook (18) of knitting needles (19) as the back yarn, and swapping the allocation of the face yarn and the back yarn to the two knitting yarns (24, 25).

IPC 8 full level

D04B 1/12 (2006.01); **D04B 7/24** (2006.01); **D04B 15/06** (2006.01); **D04B 15/44** (2006.01)

CPC (source: CN EP KR)

D04B 1/00 (2013.01 - CN); **D04B 1/12** (2013.01 - EP); **D04B 7/24** (2013.01 - EP); **D04B 7/28** (2013.01 - KR); **D04B 15/06** (2013.01 - EP KR); **D04B 15/44** (2013.01 - CN EP KR); **D04B 15/70** (2013.01 - KR); D10B 2403/0114 (2013.01 - EP)

Cited by

EP4283031A4; CN110799685A; US11261548B2; WO2022158251A1; KR20230132830A

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

DOCDB simple family (publication)

EP 3315642 A1 20180502; **EP 3315642 B1 20190515**; CN 108018645 A 20180511; CN 108018645 B 20210226; JP 2018071021 A 20180510; JP 6562890 B2 20190821; KR 101985818 B1 20190604; KR 20180048368 A 20180510

DOCDB simple family (application)

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