

Title (en)
PLATING KNITTING METHOD USED IN FLAT KNITTING MACHINE

Title (de)
PLATTIERSTRICKVERFAHREN FÜR FLACHSTRICKMASCHINE

Title (fr)
PROCÉDÉ DE TRICOTAGE PAR PLACAGE UTILISÉ DANS UNE MACHINE DE TRICOTAGE À PLAT

Publication
EP 3608461 A1 20200212 (EN)

Application
EP 18781123 A 20180406

Priority
• JP 2017077016 A 20170407
• JP 2018014814 W 20180406

Abstract (en)
There is provided a method of knitting for plating stitch by a flatbed knitting machine in which there is no need to change the running order of two yarn feeding ports, only a single route of pull-in by the knitting needle is sufficient, and a main yarn and a plating yarn can be inverted even during mid-course of one knitting course. In ordinary plating shown in (a) and (c), a main yarn 11 and a plating yarn 12 are respectively fed from preceding and following yarn feeding ports 1a, 2a. The main yarn 11 and the plating yarn 12 are fed to a hook 3a of the same knitting needle 3 while being kept at vertical positions. When a fabric is knitted, the main yarn 11 on the lower side of the plating yarn 12 appears on the front surface, and the plating yarn 12 is hidden on the back surface. In the inverse plating, as shown in (b) and (d), an operating member 5 provided with in correspondence with each knitting needle 3 is operated such that an operating part formed near a leading end moves forward and backward above a needle bed gap 4, whereby the vertical positions of the main yarn 11 and the plating yarn 12 to be pulled in by the hook 3a of the knitting needle 3 are inverted.

IPC 8 full level
D04B 1/00 (2006.01); **D04B 15/00** (2006.01)

CPC (source: EP KR)
D04B 1/10 (2013.01 - EP); **D04B 1/102** (2013.01 - KR); **D04B 7/24** (2013.01 - EP); **D04B 15/06** (2013.01 - EP); **D04B 15/56** (2013.01 - KR); **D04B 15/70** (2013.01 - EP); **D10B 2403/0114** (2013.01 - EP)

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 3608461 A1 20200212; **EP 3608461 A4 20210113**; **EP 3608461 B1 20220427**; CN 110678593 A 20200110; CN 110678593 B 20210427; JP 6807451 B2 20210106; JP WO2018186499 A1 20200227; KR 102291231 B1 20210818; KR 20190130656 A 20191122; WO 2018186499 A1 20181011

DOCDB simple family (application)
EP 18781123 A 20180406; CN 201880022948 A 20180406; JP 2018014814 W 20180406; JP 2019511326 A 20180406; KR 20197032833 A 20180406