

Title (en)  
PLATING-KNITTED CYLINDRICAL FABRIC, KNITTING METHOD THEREFOR, AND DESIGN DEVICE

Title (de)  
FORMGESTRICKTE SCHLAUCHWARE, STRICKVERFAHREN DAFÜR SOWIE DESIGNVORRICHTUNG

Title (fr)  
TISSU CYLINDRIQUE TRICOTÉ PAR VANISAGE, SON PROCÉDÉ DE TRICOTAGE, ET DISPOSITIF DE CONCEPTION

Publication  
**EP 2157221 A4 20141105 (EN)**

Application  
**EP 08751622 A 20080425**

Priority  
• JP 2008001097 W 20080425  
• JP 2007121800 A 20070502

Abstract (en)  
[origin: EP2157221A1] The present invention provides a plating-knitted tubular fabric, a method for knitting the fabric, and a design apparatus which are able to solve the color blurring caused by the cross of yarns when a tubular shaped fabric is plating-knitted by a flatbed knitting machine. As shown in Step 1, in a knitting course right before reversal of the knitting direction which knits a fabric up to the end portion of the knitting width in which cross occurs between the front yarn and the back yarn, stitches are formed except the final stitch on the knitting needle "A". As shown in Step 2, in a knitting course right after reversing the knitting direction, a twisted loop is formed on a knitting needle "A", and stitches are formed on knitting needles "b", "d", "f", ..., "t" of a needle bed B. The cross between the front yarn and the back yarn occurs at a portion in which the knitting yarn is crossed-over from the twisted loop on the knitting needle "A" to the stitch of knitting needle "b" and no cross is formed on the stitch "b". Therefore, the phenomenon in which the back yarn comes to the surface side causing color blurs can be made less noticeable. In such event, it is desirable to carry out racking in which needle bed B is displaced to the right by 2 pitches with respect to a needle bed F.

IPC 8 full level  
**D04B 1/22** (2006.01); **D04B 7/02** (2006.01); **D04B 7/26** (2006.01); **D04B 15/00** (2006.01)

CPC (source: EP)  
**D04B 1/22** (2013.01); **D04B 7/26** (2013.01); **D10B 2403/0114** (2013.01)

Citation (search report)  
• [AD] EP 1728908 A1 20061206 - SHIMA SEIKI MFG [JP]  
• [A] EP 1260624 A1 20021127 - SHIMA SEIKI MFG [JP]  
• [AD] EP 1260625 A1 20021127 - SHIMA SEIKI MFG [JP]  
• See references of WO 2008139710A1

Cited by  
US9675134B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 2157221 A1 20100224; EP 2157221 A4 20141105; EP 2157221 B1 20151118**; CN 101668886 A 20100310; CN 101668886 B 20111207; JP 5307001 B2 20131002; JP WO2008139710 A1 20100729; WO 2008139710 A1 20081120

DOCDB simple family (application)  
**EP 08751622 A 20080425**; CN 200880014043 A 20080425; JP 2008001097 W 20080425; JP 2009514003 A 20080425