

Title (en)  
Method for making knitwear with several knitting levels

Title (de)  
Verfahren zur Herstellung von Gestrickten mit mehreren Strickebenen

Title (fr)  
Procédé pour la fabrication de tricot à plusieurs niveaux de tricotage

Publication  
**EP 1148161 A2 20011024 (DE)**

Application  
**EP 01105515 A 20010306**

Priority  
DE 10019987 A 20000422

Abstract (en)  
To form an additional layer of knitting, appropriate stitches (7) hanging on the knitting needles (3), are taken over from them, by allocated transfer components (5). Either the transfer component assembly, with the hanging stitches, or the associated needle bed, is displaced by about one half of a needle division (Tlg). Each transfer component is then located with clearance from them, in gaps between the needles. Needles freed of stitches, take over stitches from the opposite needle bed, forming stitches for another plane of knitting. After completion of knitting for the other knitting plane, the stitches are again hung back onto the opposite needle bed. The transfer component assembly or associated needle bed, is reset through half a needle division, bringing the transfer components back again over the needles of their associated needle bed. Stitches held by the transfer components are again taken over by the needles of the needle bed and further stitches are formed for the original knitting plane. An Independent claim is included for the corresponding knitted fabric product in the form of rounded tubular ribbing. Preferred features: To transfer stitches hanging on needles required to form the further layer of knitting, onto the transfer components (5), these stitches are placed by outward displacement- and/or retraction movements onto the needle latches, or slides in the case of compound needles. The transfer components are introduced into the stitches, withdrawing the needles, leaving the stitches hanging only on the transfer components. By needle advance and retraction, the stitches are placed on the closed or opened needle latches. When using compound needles, the stitches are placed over the closed slides, following an open advance and closed retraction of the compound needles. Knits produced, include rounded tubular ribbing, optionally with Jacquard pattern and/or knitted-in pockets. Plain knitting and a lapel are produced, the lapel being formed as a parallel section of knitting on the plain knitting.

Abstract (de)  
Ein Verfahren zur Herstellung von Gestrickten mit mehreren Strickebenen auf einer Zweibett-Flachstrickmaschine, wobei alle Nadeln (3) eines Nadelbetts zur Erzeugung von Maschen für eine Strickebene einsetzbar sind und das Erzeugen zusätzlicher Strickebenen dadurch ermöglicht wird, dass Maschen einer anderen Ebene auf Transferelemente (5) übertragen und dort gehalten werden, bis für diese Strickebene wieder neue Maschen gebildet werden müssen. <IMAGE>

IPC 1-7  
**D04B 1/22**

IPC 8 full level  
**D04B 1/00** (2006.01); **D04B 1/22** (2006.01); **D04B 7/00** (2006.01); **D04B 7/28** (2006.01); **D04B 35/18** (2006.01)

CPC (source: EP US)  
**D04B 1/22** (2013.01 - EP US); **D04B 35/18** (2013.01 - EP US); **D10B 2403/0333** (2013.01 - EP US)

Cited by  
EP1683900A1; US11044963B2; US11666113B2; US10455885B2; US11272754B2; US10939729B2; US11896083B2; US10834991B2; US10834992B2; US11116275B2; US11129433B2; US11678712B2

Designated contracting state (EPC)  
DE ES IT

DOCDB simple family (publication)  
**EP 1148161 A2 20011024**; **EP 1148161 A3 20021204**; **EP 1148161 B1 20050413**; CN 1167840 C 20040922; CN 1320735 A 20011107; DE 10019987 A1 20011025; DE 50105879 D1 20050519; ES 2237503 T3 20050801; JP 2002020951 A 20020123; US 2001037664 A1 20011108; US 6397639 B2 20020604

DOCDB simple family (application)  
**EP 01105515 A 20010306**; CN 01117218 A 20010423; DE 10019987 A 20000422; DE 50105879 T 20010306; ES 01105515 T 20010306; JP 2001143940 A 20010406; US 83841901 A 20010419