

Title (en)

Spacer fabric knitting method and spacer fabric

Title (de)

Verfahren zum Stricken eines Abstandsgestrickes und Abstandsgestrick

Title (fr)

Procédé de tricotage d'un tricot double parois et tricot double parois

Publication

EP 2584080 A3 20131030 (EN)

Application

EP 12006563 A 20120918

Priority

JP 2011227993 A 20111017

Abstract (en)

[origin: EP2584080A2] Configuration: A spacer fabric (2) is knitted, including: a front knitted fabric (4); a rear knitted fabric (6); and a connecting yarn (22, 24) that connects the front knitted fabric (4) and the rear knitted fabric (6); wherein one of the front and the rear knitted fabrics (4, 6) is convex and the other knitted fabric is flat. Tuck stitches are repeatedly formed with the connecting yarn (22, 24) alternately on stitches in the front knitted fabric (4) caught on a needles (20) and stitches in the rear knitted fabric (6) caught on a needles (20) such that the tuck stitches are formed at a pitch of a plurality of stitches both on the front knitted fabric (4) and on the rear knitted fabric (6), but are not formed on mutually opposing stitches, while stitches to be tucked are changed such that the tuck stitches are formed on each stitch of the front knitted fabric (4) and the rear knitted fabric (6). Subsequently, next stitches are knitted at a pitch of a plurality of stitches on the stitches of the front knitted fabric (4) on which the tuck stitches have been formed, and next stitches are knitted at a pitch of a plurality of stitches on the stitches of the rear knitted fabric (6) on which the tuck stitches have been formed. The next stitches are knitted on each stitch of the front knitted fabric (4) and the rear knitted fabric (6) on which the tuck stitches have been formed, while changing stitches for forming the next stitches. The next stitches are knitted firstly on the knitted fabric on the side that is to be made flat, and the next stitches are knitted lastly on the tuck stitches in the knitted fabric on the side that is to be made convex, which is connected via the connecting yarn (22, 24) to the tuck stitches on which the next stitches has been firstly knitted. Effects: The present invention provides a spacer fabric (2) in which one of the front and the rear knitted fabrics (4, 6) is convex and the other knitted fabric is flat and in which knitted fabrics may be convex at desired positions.

IPC 8 full level

D04B 1/22 (2006.01)

CPC (source: EP KR)

D04B 1/22 (2013.01 - EP KR); **D10B 2403/0221** (2013.01 - EP); **D10B 2403/0222** (2013.01 - EP); **D10B 2501/043** (2013.01 - EP); **D10B 2505/08** (2013.01 - EP)

Citation (search report)

- [A] DE 202006016338 U1 20070104 - GEBR ACHTER GMBH & CO KG [DE]
- [A] WO 9213125 A1 19920806 - COURTAULDS ADVANCED MATERIALS [GB]

Cited by

US2020002855A1; EP3078771A1; CN113215715A; GB2530760A; GB2530760B; CN111101271A; CN114000248A; US10145044B2; EP3021736B1

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 2584080 A2 20130424; **EP 2584080 A3 20131030**; **EP 2584080 B1 20170614**; CN 103046216 A 20130417; CN 103046216 B 20140813; JP 2013087379 A 20130513; JP 5916062 B2 20160511; KR 101356976 B1 20140129; KR 20130041728 A 20130425

DOCDB simple family (application)

EP 12006563 A 20120918; CN 201210393759 A 20121017; JP 2011227993 A 20111017; KR 20120109960 A 20121004