

Title (en)

Knitted fabric with reduced cracks, knitting method therefor, and design system using the knitting method

Title (de)

Gestrick mit reduzierten Unregelmässigkeiten, ein Verfahren zu dessen Herstellung und Strickmusterentwurfssystem zur Anwendung des Verfahrens

Title (fr)

Tricot comprenant des irrégularités réduites, un procédé pour son obtention et un dispositif pour la conception du tricot utilisant ledit procédé

Publication

EP 2857566 A1 20150408 (EN)

Application

EP 14183157 A 20140902

Priority

- JP 2013191349 A 20130917
- JP 2014121204 A 20140612

Abstract (en)

A knitting method for knitting, by a double knit electric jacquard circular knitting machine with needle selection on dial and cylinder, a knitted fabric in which a pattern on a front face of the knitted fabric is knitted by using one of a cylinder and a dial, boundaries between motifs of the pattern in a wale direction being continuous at the same position in the wale direction in a plurality of successive courses, and a pattern on a back face of the knitted fabric is knitted by using the other of the cylinder and the dial. The knitted fabric is knitted such that knit structures adjacent, on the back face of the knitted fabric, to a border line in the wale direction are successively knitted. The borderline is formed by the boundary between the motifs on the front face of the knitted fabric in at least one course of the number of successive courses.

IPC 8 full level

D04B 1/12 (2006.01); **D04B 37/02** (2006.01)

CPC (source: CN EP US)

D04B 1/00 (2013.01 - CN); **D04B 1/102** (2013.01 - US); **D04B 1/126** (2013.01 - EP US); **D04B 1/24** (2013.01 - US); **D04B 9/10** (2013.01 - CN); **D04B 15/14** (2013.01 - US); **D04B 15/18** (2013.01 - US); **D04B 15/66** (2013.01 - CN); **D04B 15/665** (2013.01 - CN); **D04B 15/78** (2013.01 - US); **D04B 37/02** (2013.01 - EP US)

Citation (applicant)

- JP 2008297657 A 20081211 - TEIJIN FIBERS LTD
- JP H11158758 A 19990615 - MARUSHOU KK

Citation (search report)

- [Y] EP 2042629 A1 20090401 - BODET & HORST GMBH & CO KG [DE]
- [Y] EP 0421041 A1 19910410 - CREAZIONI BIP BIP DI LAURO NOV [IT]
- [Y] EP 1975294 A1 20081001 - LAVA BVBA [BE]
- [Y] US 3808843 A 19740507 - BLORE J, et al

Cited by

DE102016110981A1; EP3441510A1; US11332857B2; TWI730101B; TWI791852B

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)

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DOCDB simple family (application)

EP 14183157 A 20140902; CN 201410366866 A 20140729; JP 2014121204 A 20140612; TW 103130185 A 20140902; US 201414487671 A 20140916