Title (en)

KNIT DESIGN METHOD, KNIT DESIGN DEVICE, AND DESIGN PROGRAM

Title (de)

STRICKENTWURFSVERFAHREN, STRICKENTWURFSMASCHINE UND ENTWURFSPROGRAMM

Title (fr)

PROCÉDÉ DE DESSIN DE TRICOT, DISPOSITIF DE DESSIN DE TRICOT, ET PROGRAMME DE DESSIN

Publication

EP 2316991 A1 20110504 (EN)

Application

EP 09800290 A 20090622

Priority

- JP 2009061323 W 20090622
- JP 2008192362 A 20080725

Abstract (en)

The inclination of the external form of a knitted fabric, which is specified by design data, is calculated for each section, and a plurality of line segments are generated for each section to regularly decrease the stitches by a predetermined number with respect to a predetermined number of knitting courses. The length of each line segment is determined such that the total number of knitting courses of the line segment is equal to the number of knitting courses defined by the external form, and that the total number of stitches to be decreased is equal to the number of stitches to be decreased as defined by the external form. The line segments are placed for the corresponding sections and the adjacent line segments are connected to each other, thereby to generate a decrease line. The decrease line is generated that comparatively fits the contour of the external form and can be knitted efficiently and also can offer an orderly fashion line.

IPC 8 full level

D04B 15/00 (2006.01); **D04B 35/00** (2006.01)

CPC (source: EP)

D04B 1/24 (2013.01); **D04B 37/02** (2013.01)

Cited by

US10626530B2

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 MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2316991 A1 20110504; **EP 2316991 A4 20150408**; **EP 2316991 B1 20160928**; CN 102105627 A 20110622; CN 102105627 B 20120718; JP 5414675 B2 20140212; JP WO2010010775 A1 20120105; WO 2010010775 A1 20100128

DOCDB simple family (application)

EP 09800290 A 20090622; CN 200980129193 A 20090622; JP 2009061323 W 20090622; JP 2010521651 A 20090622