

Title (en)

KNIT DESIGN SYSTEM AND KNIT DESIGN METHOD

Title (de)

STRICKDESIGNSYSTEM UND STRICKDESIGNVERFAHREN

Title (fr)

SYSTÈME DE CONCEPTION D'UN TRICOT ET PROCÉDÉ DE CONCEPTION D'UN TRICOT

Publication

EP 2921581 A1 20150923 (EN)

Application

EP 15159448 A 20150317

Priority

JP 2014054915 A 20140318

Abstract (en)

It is an object of the present invention to enable calculation of an external size of a knit fabric in a short time. Configuration: Two types of array pitches of stitches, an array pitch in the course direction and an array pitch in the wale direction are stored such that the array pitch where the same type of stitches are connected to each other and an array pitch where different types of stitches are connected to each other are different from each other. Grid lines of an array of stitches in the course direction are deformed into the wale direction according to an average of pitches in the wale direction of the stitches belonging to the respective grid lines. Furthermore, grid lines of an array of stitches in the wale direction are deformed into the course direction according to an average of pitches in the course direction of stitches belonging to the respective grid lines. Then, the external shape of the unit fabric is obtained based on the deformed grid lines.

IPC 8 full level

D04B 37/02 (2006.01)

CPC (source: EP KR)

D04B 15/66 (2013.01 - KR); **D04B 37/02** (2013.01 - EP KR)

Citation (applicant)

- JP 2676182 B2 19971112
- WO 2007013296 A1 20070201 - SHIMA SEIKI MFG [JP], et al
- JP 2009120987 A 20090604 - SHIMA SEIKI MFG

Citation (search report)

- [X1] WO 2009039668 A1 20090402 - SMARTPATTERNS INC [CA], et al
- [X1] EP 2505705 A1 20121003 - SHIMA SEIKI MFG [JP]
- [A] EP 2305867 A1 20110406 - SHIMA SEIKI MFG [JP]

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

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BA ME

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DOCDB simple family (application)

EP 15159448 A 20150317; CN 201510119366 A 20150318; JP 2014054915 A 20140318; KR 20150036639 A 20150317