Title (en)

Circular knitting machine, particularly for the production of spacer fabrics

Title (de)

Rundstrickmaschine, insbesondere zur Herstellung von Abstandsgestricken

Title (fr)

Métier à tricoter circulaire, notamment pour l'obtention des tricots double paroi

Publication

EP 1477600 B1 20090819 (DE)

Application

EP 04009913 A 20040427

Priority

DE 10320533 A 20030502

Abstract (en)

[origin: EP1477600A2] Circular knitting machine includes two needle beds for fixing a vertical and a horizontal comb spacing and a stitch spacing. The stitch spacing has a value of >=6 mm. The knitting needles of the needle bed(s) are configured as compound needles having hooks (5a, 15.1). Circular knitting machine comprises a first needle bed in the form of a needle cylinder having grooves in which first knitting needles are slidably mounted. A second needle bed is in the form of a dial having grooves in which second knitting needles are slidably mounted. First and second cams (3) control the first and the second knitting needles, respectively. The two needle beds fix a vertical and a horizontal comb spacing and a stitch spacing. The stitch spacing has a value of >=6 mm. The knitting needles (2, 5) of the needle bed(s) are configured as compound needles having hooks.

IPC 8 full level

D04B 9/00 (2006.01); **D04B 9/06** (2006.01)

CPC (source: EP KR US)

D04B 9/00 (2013.01 - KR); **D04B 9/06** (2013.01 - EP US)

Cited by

WO2016091552A1; TWI683044B

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1477600 A2 20041117; **EP 1477600 A3 20041124**; **EP 1477600 B1 20090819**; **EP 1477600 B9 20100310**; AT E440165 T1 20090915; CN 103031662 A 20130410; CN 103031662 B 20150401; CN 1542185 A 20041103; DE 10320533 A1 20041118; DE 502004009908 D1 20091001; ES 2331996 T3 20100122; JP 2004332191 A 20041125; KR 101182483 B1 20120912; KR 20040094381 A 20041109; SG 112905 A1 20050728; TW 200508443 A 20050301; TW I341882 B 20110511; US 2004216496 A1 20041104; US 6915666 B2 20050712

DOCDB simple family (application)

EP 04009913 A 20040427; AT 04009913 T 20040427; CN 200410036650 A 20040429; CN 201210504601 A 20040429; DE 10320533 A 20030502; DE 502004009908 T 20040427; ES 04009913 T 20040427; JP 2004136336 A 20040430; KR 20040030878 A 20040503; SG 200402388 A 20040503; TW 93112244 A 20040430; US 83578204 A 20040430