

Title (en)

CIRCULAR KNITTING MACHINE OF THE TYPE HAVING TWO NEEDLE BEDS FOR KNITTING RIB PATTERNED TUBULAR FABRICS

Publication

EP 0036194 A3 19811125 (EN)

Application

EP 81101871 A 19810313

Priority

- IT 2076980 A 19800319
- IT 2093680 A 19800326

Abstract (en)

[origin: EP0036194A2] In a circular knitting machine of the type having two needle beds or needle-carrying structures (1,8) for knitting plain and purl stitches, the lower needle-carrying structure (1) comprises a cylinder and the upper needle-carrying structure (8) has a substantially bell-like shape and needle tricks (11) of arcuate shape for correspondingly arcuately bent needles (13). The arcuately bent needles (13) are controlled by selecting jacks (12), in turn controlled by cams (18) arranged around the substantially bell-like structure (8). Such a machine can have the same number of needles (3,13) on both needle-carrying structures (1,8), and accordingly, a higher fineness for a given diameter than traditional cylinder and dial machines. It also enables knitting loops to be transferred between all of the needles (3,13) in the two structures (1,8), both from the purl stitch side to the plain and from the plain stitch side to the purl, thus enabling the knitting of various types of rib pattern, such as 1:1,2:2, etc., without requiring any jack replacement.

IPC 1-7

D04B 9/38

IPC 8 full level

D04B 9/38 (2006.01); **D04B 15/68** (2006.01)

CPC (source: EP)

D04B 9/38 (2013.01); **D04B 15/68** (2013.01)

Citation (search report)

- [A] DE 599514 C 19340704 - WILHELM KLEISCH DIPL ING
- [A] DE 1803296 A1 19700514 - TERROT SOEHNE MASCHINENFABRIK

Cited by

CN106868699A; CN107164877A; US8975338B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0036194 A2 19810923; EP 0036194 A3 19811125

DOCDB simple family (application)

EP 81101871 A 19810313