

Title (en)

SINGLE-CYLINDER CIRCULAR KNITTING MACHINE HAVING TWO NEEDLE BEDS FOR KNITTING PLAIN AND PURL STITCHES

Publication

EP 0036195 A3 19811125 (EN)

Application

EP 81101872 A 19810313

Priority

IT 2077080 A 19800319

Abstract (en)

[origin: EP0036195A2] In a single-cylinder circular knitting machine having two needle beds or needle-carrying structures (1,2), the lower structure (2) comprises a needle cylinder and the upper structure (1) penetrates for its major portion into the cylinder and has needle tricks (15) therein of arcuate shape with their center of curvature located on the same side as the cylinder, for accommodating arcuately bent latch needles (16). The needles (16) have their hooks and latches arranged on the convex side of the arcuate shape. They may have butts intended for controlling their movements, or be controlled by means of jacks. The upper needle-carrying structure (1) may advantageously be open at the center to allow the knitted fabric (25) to be pulled and/or discharged to the top. A machine of this type may have the same number of needles in both needle-carrying structures (1,2), even where the latter have small diameters, and a smaller height dimension than traditional needle cylinder and dial machines of equal diameter.

IPC 1-7

D04B 9/06

IPC 8 full level

D04B 9/06 (2006.01); **D04B 15/18** (2006.01)

CPC (source: EP)

D04B 9/06 (2013.01); **D04B 15/18** (2013.01); **D04B 15/34** (2013.01); **D04B 35/04** (2013.01)

Citation (search report)

- [A] US 1855019 A 19320419 - SCOTT GRIEVE THOMAS
- [A] DE 168 C - ST BLERNATZKI
- [A] DE 2613179 A1 19770929 - MAISEL HANS

Cited by

CN106987994A; IT201900007380A1; GB2326650A; US6003343A; GB2326650B; WO2020240363A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0036195 A2 19810923; EP 0036195 A3 19811125; IT 1130063 B 19860611; IT 8020770 A0 19800319; JP S56154550 A 19811130

DOCDB simple family (application)

EP 81101872 A 19810313; IT 2077080 A 19800319; JP 3880181 A 19810319