

Title (en)
Double-knit circular knitting machine.

Title (de)
Doppelgestrick-Rundstrickmaschine.

Title (fr)
Métier à tricoter circulaire pour tricoter un tricot double.

Publication
EP 0402034 B1 19940420 (EN)

Application
EP 90305898 A 19900531

Priority
JP 13801789 A 19890531

Abstract (en)
[origin: EP0402034A1] A method of knitting a thickened double-knit fabric and a circular knitting machine for this use is disclosed. Sinkers (15) are supported for inward and outward movement between cylinder needles (2) and dial needles (3). Each sinker (15) includes a stitch drawing ledge (15a) and a neb (15d) on the inner end portion of each of the sinkers and cooperates with adjacent needles (2,3) in the formation of knit stitch loops. The outer end portions of the sinkers are supported on a rotatable ring (14) located exteriorly of the needle cylinder (1) for movement of the sinkers (15) in a radial direction and along a downwardly inclined path of travel between the needles (2,3). The inner end portions of the sinkers (15) are supported for movement along the downwardly inclined path of travel. When the cylinder needles (2) and dial needles (3) are in a clearing position, yarn is fed thereto. While the cylinder and dial needles (2,3) are successively moved downwardly and inwardly, the sinkers (15) are simultaneously moved in an outwardly and upwardly direction along the downwardly inclined path of travel. While the cylinder and dial needles (2,3) are respectively lowered and retracted, the stitch drawing ledge (15a) engages the yarn and cooperates with associated adjacent needles (2,3) to form stitch loops of a length determined by the amount of upward vertical movement imparted to the stitch forming ledge (15a) of the sinker and the amount of downward and inward movement of the cylinder and dial needles (2,3).

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D04B 15/06

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D04B 9/06 (2013.01 - EP); **D04B 15/06** (2013.01 - EP KR)

Cited by
SG82515A1; CN100383305C; EP1559821A1; EP1559818A1; CN102425029A; CN110714252A; CN100404743C; CN100351447C

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