

Title (en)
Circular knitting machine, particularly for the production of spacer fabrics

Title (de)
Rundstrickmaschine, insbesondere zur Herstellung von Abstandsgestriicken

Title (fr)
Métier à tricoter circulaire, notamment pour l'obtention des tricot double paroi

Publication
EP 1477600 A3 20041124 (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.

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

Citation (search report)
• [A] DE 3140787 A1 19830428 - AKZO GMBH [DE]
• [A] DE 2711881 A1 19770929 - IWS NOMINEE CO LTD
• [A] US 2250658 A 19410729 - CALEB SMITH, et al
• [A] K. KOWALSKI, G. BEDNARSKI: "Struktur und Eigenschaften einer neuen Gruppe von Abstandstextilien", MELLIAND TEXTILBERICHTE, vol. 5/1999, 1 May 1999 (1999-05-01), FRANKFURT, pages 384 - 387, XP002294731

Cited by
WO2016091552A1; TWI683044B

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