



⑫

EUROPEAN PATENT APPLICATION

⑬ Application number: 81101871.2

⑬ Int. Cl.³: D 04 B 9/38

⑭ Date of filing: 13.03.81

⑮ Priority: 19.03.80 IT 2076980
26.03.80 IT 2093680

⑰ Applicant: COSTRUZIONI MECCANICHE LONATI S.p.A.
Via S. Polo, 11
I-25100 Brescia(IT)

⑯ Date of publication of application:
23.09.81 Bulletin 81/38

⑰ Inventor: Lonati, Francesco
Via Valsorda 28
I-25100 Brescia(IT)

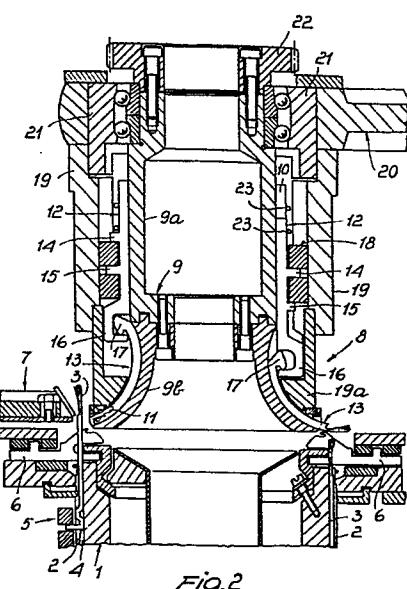
⑰ Date of deferred publication of search report: 25.11.81

⑰ Representative: Modiano, Guido et al,
MODIANO & ASSOCIATI S.A.S. Via Meravigli, 16
I-20123 Milan(IT)

⑰ Designated Contracting States:
DE FR GB

⑲ Circular knitting machine of the type having two needle beds for knitting rib patterned tubular fabrics.

⑳ 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.



A3

194

0 036

EP



EUROPEAN SEARCH REPORT

0036194

Application number

EP 81 10 1871

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl.)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	<p><u>DE - A - 1 803 296 (TERROT)</u> * Claim 1; figure 1 * & US - A - 3 771 327 --</p> <p><u>DE - C - 599 514 (KLEISCH)</u> * Page 2, lines 87-92; figures 1-6 *</p> <p>-----</p>	1	D 04 B 9/38
			TECHNICAL FIELDS SEARCHED (Int. Cl.)
			D 04 B
			CATEGORY OF CITED DOCUMENTS
			X: particularly relevant A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: conflicting application D: document cited in the application L: citation for other reasons
			&: member of the same patent family, corresponding document
<p><input checked="" type="checkbox"/> The present search report has been drawn up for all claims</p>			
Place of search The Hague	Date of completion of the search 28-08-1981	Examiner V. GELDER	