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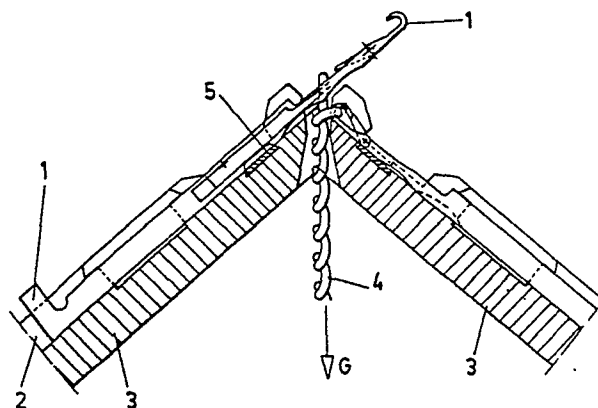
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E-28010 Madrid(ES)(54) **Improvements introduced in the needle plates of rectilinear knitting machines.**

(57) The present invention refers to a series of improvements in the needle plates (3) of rectilinear knitting machines, intended to minimize the wearing effects caused by the needles in said needle plates (3) in the normal operation of the knitting machine, especially with stiff and little elastic yarns.

Specifically they consist in the disposition, on each of the needle plates of the machine, of a longitudinal channel in which it is coupled, with an exchangeable character, a milled ruler (5) on which are established beds for the needles in continuity with those of the rest of the needle plate (3), being these rulers (5) of a material with a great hardness and being intended to withstand the friction effects produced by the needles (1) in their alternative movement, due to the traction or stretching caused in turn by the stretcher of the fabric (4).

**FIG.1****EP 0 261 048 A3**



EP 87 50 0057

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
X	DE-C-588717 (SEYFERT & DONNER) * page 1, right-hand column, line 41 - line 63; figures 1-4 *	1-3	D04B15/10
A	FR-A-2313485 (INAMOTO)		
A	FR-A-1176276 (SOCIETE D,ETUDES ET D,APPLICATIONS MECANIQUES)		
A	CH-A-514708 (JUMBERCA S.A.)		
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			D04B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 18 SEPTEMBER 1989	Examiner VAN GELDER P.A.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application I : document cited for other reasons & : member of the same patent family, corresponding document			