

Title (en)
ELECTROMAGNETIC PATTERN DEVICE FOR A KNITTING MACHINE

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EP 0189790 A3 19871021 (DE)

Application
EP 86100546 A 19860117

Priority
DE 3503219 A 19850131

Abstract (en)
[origin: ES8702537A1] The invention relates to a magnetic patterning system on a knitting machine, which has knitting tools which are selectable independently of one another. The patterning system comprises ferromagnetic control elements associated with the knitting tools, an electromagnetic control pole which can be excited according to a pattern, and at least one permanent holding pole, the selection of the knitting tools being performed by relative motion between the control elements and the control pole and the holding pole during which motion the control elements adhere or do not adhere to the holding pole depending on the state of excitation of the control pole. To prevent the control elements from having to be already swung or shifted in the area of the control pole, the control pole is designed as a pole for only addressing address sections of the control elements in order to magnetize them, according to the pattern, to remanent north poles or south poles, while the holding pole is designed as a sorting pole in order to attract or repel the address sections according to their remanent magnetization.

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D04B 15/78 (2013.01 - EP US)

Citation (search report)
• [AD] DE 1585211 B1 19701203 - MORAT GMBH FRANZ
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Cited by
CN102002804A; EP0636725A3; EP0529411A1; US5291756A

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