

Title (en)

Knitting machine with a magnetic needle selection system for knitting patterned fabrics

Title (de)

Strickmaschine mit einer Mustereinrichtung und einem magnetischen Nadelauswahlsystem

Title (fr)

Machine à tricoter avec un système magnétique de sélection d'aiguilles pour produire des tissus tricotés à motifs

Publication

EP 1643026 A1 20060405 (DE)

Application

EP 04023520 A 20041002

Priority

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Abstract (en)

The magnetic needle selection system, for the patterning unit at especially a flatbed knitter, has at least one selection magnet assembly (10) with at least one permanent magnet holding zone (H) and at least one throwing zone (11,11') with at least one controlled coil (13,13') to pull out the needle selectors (7-7'') against the magnet assembly. The coil has a controlled constant current strength profile on throwing out a needle selector independently of the selectors held in by the magnet assembly. The needle bed (3) is of a ferromagnetic material over its whole movement range at the magnet assembly.

IPC 8 full level

D04B 15/78 (2006.01)

CPC (source: EP)

D04B 15/78 (2013.01)

Citation (search report)

- [X] DE 4024742 A1 19920213 - SCHIEBER UNIVERSAL MASCHF [DE]
- [A] EP 1275762 A1 20030115 - SHIMA SEIKI MFG [JP]
- [A] EP 0474195 A2 19920311 - HARTING ELEKTRONIK GMBH [DE]
- [A] FR 2252431 A1 19750620 - STIBBE MONK DEVELOPMENT LTD [GB]

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DE IT TR

DOCDB simple family (publication)

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DOCDB simple family (application)

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