

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 B1 20080806 (DE)

Application

EP 04023520 A 20041002

Priority

EP 04023520 A 20041002

Abstract (en)

[origin: EP1643026A1] 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)

Designated contracting state (EPC)

DE IT TR

DOCDB simple family (publication)

EP 1643026 A1 20060405; EP 1643026 B1 20080806; CN 100519867 C 20090729; CN 1754999 A 20060405; DE 502004007789 D1 20080918

DOCDB simple family (application)

EP 04023520 A 20041002; CN 200510108412 A 20051008; DE 502004007789 T 20041002