Title (en)

OPERATION SELECTING CONTROL METHOD AND APPARATUS FOR SHIFTER FORK OF TORCHON LACE MACHINE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM SELEKTIVEN STEUERN VON SCHALTGABELN AN EINER TORCHON-KLÖPPELMASCHINE

Title (fr)

APPAREIL ET PROCEDE DE COMMANDE DE SELECTION DE FONCTIONNEMENT POUR FOURCHETTE DE MACHINE A DENTELLE TORCHON

Publication

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Application

**EP 96917697 A 19960614**

Priority

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Abstract (en)

[origin: WO9700343A1] This invention provides operation selecting control method and apparatus for a shifter fork of a torchon lace machine which are capable of satisfactorily following up a high-speed rotation without an erroneous operation, and which have simple constitution. Poles (23a, 23b) as selector rods are supported pivotally on a lift member (20), a part of a driving means so that the poles can act on a part of a fork shaft (14) or a shifter fork (11). Permanent magnets (22a, 22b) are provided on these poles, and solenoids (21a, 21b) in the vicinity thereof so that the solenoids can work magnetically on the poles. In order to move the poles to an operating or non-operating position with respect to the fork shaft or shifter fork, an electric current is applied to the solenoids to generate a homopolar repulsive magnetic field between the solenoids and permanent magnets, whereby the poles constituting selector rods are moved. In order to stop the movement of the poles, the solenoids are deenergized. Thus, the selecting operations are controlled.

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