

Title (en)

Multiple-system circular knitting machine affording electromagnetic needle selection.

Title (de)

Mehrsystemige Rundstrickmaschine mit elektromagnetischer Nadelauswahl.

Title (fr)

Métier à tricoter circulaire à plusieurs systèmes et sélection d'aiguilles électromagnétique.

Publication

**EP 0286827 A2 19881019 (DE)**

Application

**EP 88103605 A 19880308**

Priority

DE 3712673 A 19870414

Abstract (en)

[origin: US4905484A] In a multiple system circular knitting machine having an electromagnetic needle selection, the needle and jack cam races are supported on a stationary support ring which rests on a plurality of radially directed and mutually spaced ribs. To improve operational reliability and maintenance of needle selection devices, each selection electromagnet is mounted at an end portion of an elongated holder and is situated in a circumferential recess in the needle cylinder opposite end portions of respective selecting jacks. The magnet holders are adjustably secured to the lower surface of the support ring. The needle selecting cams include a pair of circumferentially staggered and axially superposed pressing cams of which the leading lower pressing cam first engages the lower end portion of the selecting jack and moves the same radially inwardly to a point where the upper pressing cam takes over and presses an armature surface of the end portion of the jack against an electromagnet. In this manner, the negative effect of wear of selecting cams is neutralized.

Abstract (de)

Bei einer mehrsystemigen Rundstrickmaschine mit elektromagnetischer Nadelauswahl sind zur Erhöhung der Betriebssicherheit der Nadelauswahleinrichtungen die Auswahlmagnete (25) leicht auswechselbar, nachjustierbar und wärmedehnungskompensiert angeordnet, und die Auswahlplatinen werden über zwei gegeneinander versetzt angeordnete und nacheinander wirksam werdende Druckschloßteile mit einer Ankerfläche den Auswahlmagneten (25) angeboten, wodurch negative Auswirkungen von Verschleiß an den Auswahlplatinen (22) vermindert werden.

IPC 1-7

**D04B 15/78**

IPC 8 full level

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CPC (source: EP US)

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