Title (en)

MULTIPLE-SYSTEM CIRCULAR KNITTING MACHINE AFFORDING ELECTROMAGNETIC NEEDLE SELECTION

Publication

EP 0286827 B1 19930224 (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.

IPC 1-7

D04B 15/78

IPC 8 full level

D04B 15/82 (2006.01); **D04B 15/78** (2006.01)

CPC (source: EP US)

D04B 15/68 (2013.01 - EP US); **D04B 15/78** (2013.01 - EP US)

Cited by

CN102560861A; EP0496133A1; US5205139A

Designated contracting state (EPC)

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DOCDB simple family (application)

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