

Title (en)

Side-transfer device for flat knitting machines.

Title (de)

Seitenübertragungsvorrichtung für Flachstrickmaschinen.

Title (fr)

Dispositif de transfert de côté pour des métiers à tricoter rectilignes.

Publication

EP 0286050 A2 19881012 (EN)

Application

EP 88105390 A 19880405

Priority

IT 1245887 A 19870410

Abstract (en)

A side-transfer device for flat knitting machines, comprises, above and parallel to the needle bed which is opposite to the needle bed involved in the transfer, two smaller semi-needle beds (FT-FT'), each having a length which is half the length of the main needle bed, and spaced from each other, at their inner ends, by such an extent as to be longitudinally movable in and out to the maximum distance contemplated in the transfer step. Each semi-needle bed is provided with transfer fingers (7) spaced apart as the needles of the needle beds and in such a number as to serve half a needle bed. The longitudinal movements of said transfer fingers are controlled by a single auxiliary carriage (8). Each semi-needle bed (FT-FT') is supported by a slide (4-4') sliding on a guide (1) parallel to the needle beds of the machine, each slide being connected to means (17,18,19,20,17',18',19',20') which move it longitudinally for the transfer, rightwards, and leftwards. The guide (1), which also supports a guide for the auxiliary carriage (8), is connected to the frame of the machine so as to be pivotable about its longitudinal shaft (2) to enable, in an intermediate step, the transfer fingers (7) of the semi-needle beds to be raised and moved away from the needle beds in order to permit the transfer of the semi-needle beds to the extent required by the side transfer of the loops. The pivoting means comprises at least one respective lever (22-22') pivotable on each end of a fulcrum shaft (2) and which may be locked to said shaft. The levers present, at their end, a respective roller (29-29') which co-operates with a cam (30) carried by the carriage of the machine.

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IPC 8 full level

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CPC (source: EP)

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Cited by

US5469717A; CN107572206A; DE4437583C1; EP0924327A3; EP0955402A3; EP0594169A1; CN1052273C; DE10019987A1; DE19954477A1; WO9612840A1

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DOCDB simple family (application)

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