

Title (en)

Flatbed knitting machine provided with compound needle, and slider control method for flatbed knitting machine

Title (de)

Flachstrickmaschine mit Schiebernadel, sowie Verfahren zur Betätigung des Schiebers für eine Flachstrickmaschine

Title (fr)

Machine à tricoter rectiligne avec une aiguille de type compound, et methode de contrôler un coulisseau pour une machine à tricoter rectiligne

Publication

**EP 2570535 B1 20160406 (EN)**

Application

**EP 12006424 A 20120913**

Priority

JP 2011199173 A 20110913

Abstract (en)

[origin: EP2570535A1] [Problem to be solved] It is an object of the present invention to provide a flatbed knitting machine, which is provided with compound needles, to be capable of making old stitches hardly to drop into hooks from tongues and also of making a knitting yarn which is to be caught in the hook in order to form a new stitch hardly to get caught on the tongue, and also to provide a method for controlling a slider of the flatbed knitting machine. [Solution] When a needle driving butt 22 is moved along a trajectory 22t and a hook 12a is thereby advanced into a needle bed gap 2, a tongue 13a opens a hook mouth of the hook 12a, so that an old stitch which has been formed in the hook 12a is transferred onto the tongue 13a and cleared from the hook 12a. When the hook 12a is withdrawn toward the needle bed 3, 4 side, a knitting yarn is fed from a yarn feeder port 7a so as to pass within a range through which a hook mouth of the hook 12a passes and caught in the hook 12a. A movable cam mechanism 40 provided in a slider cam 36 can produce a difference d in the position of the tongue 13a by switching action or inaction of a control portion 41a of a cam member 41 on a slider driving butt 23 near a centerline 7c.

IPC 8 full level

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CPC (source: EP KR)

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Cited by

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