

Title (en)

Flat knitting machine and electric power saving control method of flat knitting machine

Title (de)

Flachstrickmaschine und stromsparendes Steuerungsverfahren einer Flachstrickmaschine

Title (fr)

Tricoteuse rectiligne et procédé de contrôle d'économie d'énergie d'une tricoteuse rectiligne

Publication

**EP 2392711 B1 20140611 (EN)**

Application

**EP 11004641 A 20110607**

Priority

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Abstract (en)

[origin: EP2392711A1] A flat knitting machine (2), having a pair of front and rear needle beds (4, 6) one of which is caused to rack freely with respect to the other needle bed (4, 6) by a servomotor (14), is provided with a brake (16) for inhibiting a racking motion of the needle bed (4, 6). Slide force that is applied from a knitted fabric or carriage (10) to the needle bed (4, 6) is obtained based on knitting data of the knitted fabric. When the obtained slide force is equal to or lower than a first predetermined value and the needle bed (4, 6) is not caused to rack by the servomotor (14), excitation of the servomotor (14) is canceled and the brake (16) is turned on.

IPC 8 full level

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