

Title (en)

CARRIAGE-MOUNTED UNIT OF WEFT KNITTING MACHINE

Title (de)

AUF EINEM SCHLITTEN AUFGEBRACHTE EINHEIT EINER FLACHSTRICKMASCHINE

Title (fr)

BLOC MONTE SUR CHARIOT POUR METIER A MAILLES CUEILLIES

Publication

EP 1972708 A4 20120815 (EN)

Application

EP 06832766 A 20061116

Priority

- JP 2006322886 W 20061116
- JP 2005331554 A 20051116

Abstract (en)

[origin: EP1972708A1] The invention relates to a carriage-mounted unit of a weft knitting machine, capable of being made smaller in spite of being provided with many functions thereof. A pair of stitch pressers (3, 4) is driven by the rotating motion of a motor (7) through a one-side drive mechanism (10) and an other-side drive mechanism (20). The one-side drive mechanism (10) and the other-side drive mechanism (20) are provided with double-stepped cams (11) and (21) to reduce a load on the motor (7). A cam drive mechanism (30) advances and retracts a brush (5) as another member with respect to a needle bed gap (6) to avoid its interference with the pair of stitch presser (3, 4). Even if at least three of the stitch pressers (3, 4) as a pair of members and the brush (5) as another member are driven by the single motor (7) so that the respective members are advanced to and retracted from the needle bed gap (6) by the rotation of the motor (7), a groove cam plate traveling back and forth in a back-and-forth travel direction of a carriage (2) or the like is not provided in the unit, and therefore, the unit can be made smaller.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [AD] EP 0597548 A1 19940518 - SHIMA SEIKI MFG [JP]
- See references of WO 2007058272A1

Cited by

CN102747528A; CN103668760A

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