

Title (en)

WEFT KNITTING MACHINE HAVING MOVABLE YARN GUIDE

Title (de)

FLACHSTRICKMASCHINE MIT BEWEGBAREM FADENFÜHRER

Title (fr)

MÉTIER À MAILLES CUEILLIES COMPORTANT UN GUIDE-FIL MOBILE

Publication

EP 1942216 A4 20120815 (EN)

Application

EP 06810662 A 20060927

Priority

- JP 2006319204 W 20060927
- JP 2005282919 A 20050928

Abstract (en)

[origin: EP1942216A1] The invention relates to a weft knitting machine with a movable yarn guide that can prevent damage to a fabric due to undesired catch of a yarn. Since a forward movement amount of a movable yarn guide (1) to a needle bed gap (5) is reduced near a position where a yarn is fed from a yarn feeding port (10a), the yarn can be fed smoothly and the catch of the yarn by a slider (7b, 8b) can be prevented from occurring. Since a forward movement amount of the movable yarn guide (1) to the needle bed gap (5) is increased near a position where the yarn is received by a hook (7c, 8c), the yarn can be securely caught by the hook (7c, 8c). When a needle main body (7a, 8a) is pulled into a needle bed (3, 4) and a knitted loop is formed by the hook (7c, 8c) and a front edge (6b) of a sinker (6), a guide portion (1a) at the front end is driven so as to be moved backward from the needle bed gap (5) to a position where the sinker (6) forms a sinker loop. Therefore, a lower end of the guide portion (1a) capable of securely forming the sinker loop at a stitch determination position of the sinker (6) is extended to cover a tongue (8d), thereby preventing the yarn from being caught.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [AD] EP 0672769 A1 19950920 - SHIMA SEIKI MFG [JP]
- [A] DE 19806548 A1 19990819 - SCHIEBER UNIVERSAL MASCHF [DE]
- See references of WO 2007037285A1

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IT202000018658A1; WO2022022882A1

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