

Title (en)
Flat bed knitting machine

Title (de)
Flachstrickmaschine

Title (fr)
Métier à tricoter rectiligne

Publication
EP 1167602 A3 20020710 (DE)

Application
EP 01105513 A 20010306

Priority
DE 10031684 A 20000629

Abstract (en)
[origin: EP1167602A2] The flatbed knitter has at least two facing needle beds with stitch loopers (30,40) and/or comb gap sinkers (45). A wire (20) is fixed at least at one needle bed as a limit for the stitch loops, which gives a common adjustment to the stitch loopers and/or comb gap sinkers. The flatbed knitter can be in operation during the adjustment of the stitch loopers and/or comb gap sinkers, independently of the knitter slide position. The wire is secured at alternate stitch loopers. The intermediate stitch loopers can be adjusted together, independently of those at the wire. Or the wire is secured to the comb gap sinkers, which can be adjusted together independently of the common adjustment for the stitch loopers. The needle bed has two types of stitch loopers, where all the loopers of one type are adjusted together, independently of the common adjustment for the other type. The stitch loopers and/or the comb gap sinkers are moved into each adjusted position. They are mounted to bars (60,70,80) which can slide along and/or across the longitudinal line of the needle bed. The bars have at least two elongated holes, at an angle to the needle bed longitudinal axis, to take inserted guide pins (90).

IPC 1-7
D04B 15/06; **D04B 15/10**

IPC 8 full level
D04B 15/36 (2006.01); **D04B 15/06** (2006.01); **D04B 15/10** (2006.01)

CPC (source: EP US)
D04B 7/045 (2013.01 - EP); **D04B 15/06** (2013.01 - EP US); **D04B 15/10** (2013.01 - EP US)

Citation (search report)

- [A] DE 3900143 C1 19900510
- [A] EP 0441565 A2 19910814 - SHIMA SEIKI MFG [JP]
- [A] US 2909049 A 19591020 - KARL REES
- [AD] EP 0897027 A2 19990217 - SHIMA SEIKI MFG [JP]
- [A] DE 19806548 A1 19990819 - SCHIEBER UNIVERSAL MASCHF [DE]

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CN103388233A; EP3798339A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1167602 A2 20020102; **EP 1167602 A3 20020710**; **EP 1167602 B1 20040623**; CN 1196823 C 20050413; CN 1330177 A 20020109; DE 10031684 A1 20020110; DE 50102658 D1 20040729; ES 2222284 T3 20050201; JP 2002020952 A 20020123; JP 3787759 B2 20060621; US 2002000105 A1 20020103; US 6415633 B2 20020709

DOCDB simple family (application)
EP 01105513 A 20010306; CN 01121868 A 20010629; DE 10031684 A 20000629; DE 50102658 T 20010306; ES 01105513 T 20010306; JP 2001156131 A 20010418; US 88016501 A 20010612