

Title (en)
WARP KNITTING MACHINE, ESPECIALLY CROCHETING MACHINE

Title (de)
KETTENWIRKMASCHINE, INSBESONDERE HÄKELGALONMASCHINE

Title (fr)
METIER A TRICOTER CHAINE, EN PARTICULIER, MACHINE A CROCHET

Publication
EP 0998601 B1 20020206 (DE)

Application
EP 98929184 A 19980702

Priority

- CH 9800288 W 19980702
- CH 179897 A 19970725

Abstract (en)
[origin: WO9905351A1] The invention relates to a warp knitting machine, especially a crocheting machine, comprising knitting needles (34) guided on a knock-over sinker(38) with warp thread layers (38) which are fitted upstream with warp thread guides (36) and weft thread layer rods (44) assigned to weft thread guides (48). The invention provides an improvement to a warp knitting machine, characterized in that the weft thread guides (48) of the weft thread layer rods (44) do not cross the knitting needles(34) and the weft thread guides (48) of the weft thread layer rods (44) are assigned feeding means relative to the knitting needles (34), which can be guided and driven upwards and downwards between the weft thread guides (48) and the knitting needles (34) in such a way that the feeding means (62) place staggered weft threads (50) underneath the assigned knitting needles (34).

IPC 1-7
D04B 27/24; **D04B 23/22**

IPC 8 full level
D04B 27/26 (2006.01); **D04B 23/22** (2006.01); **D04B 25/06** (2006.01); **D04B 27/24** (2006.01)

CPC (source: EP US)
D04B 23/22 (2013.01 - EP US); **D04B 27/24** (2013.01 - EP US)

Designated contracting state (EPC)
CH DE ES FR GB IT LI

DOCDB simple family (publication)
WO 9905351 A1 19990204; AU 7904098 A 19990216; BR 9811550 A 20000829; BR 9811550 B1 20081118; CN 1079457 C 20020220; CN 1264439 A 20000823; DE 59803026 D1 20020321; EP 0998601 A1 20000510; EP 0998601 B1 20020206; ES 2169527 T3 20020701; HK 1027137 A1 20010105; JP 2001511488 A 20010814; JP 4128328 B2 20080730; RU 2190709 C2 20021010; TW 436546 B 20010528; US 6209362 B1 20010403

DOCDB simple family (application)
CH 9800288 W 19980702; AU 7904098 A 19980702; BR 9811550 A 19980702; CN 98807421 A 19980702; DE 59803026 T 19980702; EP 98929184 A 19980702; ES 98929184 T 19980702; HK 00106162 A 20000928; JP 2000504315 A 19980702; RU 2000102921 A 19980702; TW 87111425 A 19980714; US 46315000 A 20000119