

Title (en)
DEVICE FOR CLAMPING HOOK NEEDLES FOR A CROCHETING MACHINE.

Title (de)
VORRICHTUNG ZUM EINSpanNEN UND FÜHREN VON HÄKELNADELN FÜR EINE HÄKELMASCHINE.

Title (fr)
DISPOSITIF POUR LE SERRAGE ET GUIDAGE D'AIGUILLES A CROCHET POUR UN METIER A CROCHETER.

Publication
EP 0591470 B1 19950628 (DE)

Application
EP 92917529 A 19920814

Priority
• DE 4131809 A 19910924
• EP 9201865 W 19920814

Abstract (en)
[origin: US5442936A] PCT No. PCT/EP92/01865 Sec. 371 Date Mar. 23, 1994 Sec. 102(e) Date Mar. 23, 1994 PCT Filed Aug. 14, 1992 PCT Pub. No. WO93/06288 PCT Pub. Date Apr. 1, 1993. A device for clamping and guiding crocheting needles for a crocheting machine. On the one hand a clamping device for the crocheting needles and on the other hand a knock-over comb are to be created, which permit a very fine spacing. To this end, in the bottom part (27) and in the clamping cover (29) of a clamping device (12), opposite, straight needle beds (73, 74) are arranged closely together. The needle beds (73, 74) have wall surfaces that are inclined in a V-shape. A knock-over comb (20, 80) fixed to the machine has upwardly projecting teeth (86) for the crocheting needles. The spacing of the needle beds and guide elements is at least 12, in particular 14 per centimeter of machine width. The holding bar (23) fixed to the machine and the bottom part (27) of the clamping device (12) have recesses, in particular chambers (77, 76) that face one another, which permit the clamping device to move too close to the teeth (86).

IPC 1-7
D04B 25/06; **D04B 27/06**

IPC 8 full level
D04B 25/06 (2006.01); **D04B 27/06** (2006.01); **D04B 35/08** (2006.01)

CPC (source: EP KR US)
D04B 25/06 (2013.01 - KR); **D04B 27/06** (2013.01 - EP KR US); **D04B 35/08** (2013.01 - EP US)

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

DOCDB simple family (publication)
US 5442936 A 19950822; AT E124478 T1 19950715; AU 2433292 A 19930427; AU 670917 B2 19960808; BR 9206437 A 19940802; CA 2119869 A1 19930401; CA 2119869 C 19980203; CZ 24994 A3 19940518; CZ 282474 B6 19970716; DE 4131809 A1 19930325; DE 59202751 D1 19950803; DK 0591470 T3 19951106; EP 0591470 A1 19940413; EP 0591470 B1 19950628; ES 2073933 T3 19950816; FI 940682 A0 19940214; FI 940682 A 19940214; GR 3017206 T3 19951130; HU 9400375 D0 19940530; HU T68383 A 19950628; JP H07509542 A 19951019; KR 940702572 A 19940820; MX 9205399 A 19930701; NO 180310 B 19961216; NO 180310 C 19970326; NO 940500 D0 19940214; NO 940500 L 19940214; NZ 244380 A 19940126; PL 170293 B1 19961129; RU 2091525 C1 19970927; RU 94018510 A 19960410; SI 9200221 A 19930331; TR 26062 A 19941215; WO 9306288 A1 19930401; YU 84192 A 19960109; ZA 926684 B 19930309

DOCDB simple family (application)
US 21119394 A 19940323; AT 92917529 T 19920814; AU 2433292 A 19920814; BR 9206437 A 19920812; CA 2119869 A 19920814; CZ 24994 A 19920814; DE 4131809 A 19910924; DE 59202751 T 19920814; DK 92917529 T 19920814; EP 9201865 W 19920814; EP 92917529 A 19920814; ES 92917529 T 19920814; FI 940682 A 19940214; GR 950402319 T 19950823; HU 9400375 A 19920814; JP 50571793 A 19920814; KR 19940700958 A 19940324; MX 9205399 A 19920923; NO 940500 A 19940214; NZ 24438092 A 19920917; PL 30277792 A 19920814; RU 94018510 A 19920814; SI 9200221 A 19920922; TR 92992 A 19920923; YU 84192 A 19920916; ZA 926684 A 19920903