

Title (en)
Stamped knitting tool

Title (de)
Gestanztes Strickwerkzeug

Title (fr)
Outil de tricotage estampé

Publication
EP 0906980 B1 20030903 (DE)

Application
EP 98115206 A 19980813

Priority
DE 19740985 A 19970918

Abstract (en)
[origin: EP0906980A1] The needle has a rod (5), including the entire rearward length and toe (8) with an extensive guide section (21) which remains in a guide groove (2). The rod has regions of reduced side thickness in the guide groove, leaving relieved faces (24) extending along its length from near the toe. An Independent claim is included for the corresponding knitting machine. Preferred features: In a variant, the rod has several toes, between which there are relieved surfaces. These extend directly up to, or near to each toe. One reaches the end of the rod. There is a projection (11) near the front with a raised section, the side relief extending along it. The form is further detailed and is achieved by stamping, machining, cutting or pressing. Rod thickness reductions are about 25% of the original thickness. They extend some 10-15 mm from the adjacent toe.

IPC 1-7
D04B 35/02

IPC 8 full level
D04B 15/10 (2006.01); **D04B 35/02** (2006.01)

CPC (source: EP US)
D04B 15/10 (2013.01 - EP US); **D04B 35/02** (2013.01 - EP US)

Cited by
CN108138401A

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
DE 19740985 A1 19990401; **DE 19740985 C2 19990930**; DE 59809473 D1 20031009; DE 59812969 D1 20050901; EP 0906980 A1 19990407; EP 0906980 B1 20030903; EP 1318221 A1 20030611; EP 1318221 B1 20050727; ES 2206802 T3 20040516; ES 2247431 T3 20060301; JP 3076014 B2 20000814; JP H11140754 A 19990525; US 6122938 A 20000926

DOCDB simple family (application)
DE 19740985 A 19970918; DE 59809473 T 19980813; DE 59812969 T 19980813; EP 03001002 A 19980813; EP 98115206 A 19980813; ES 03001002 T 19980813; ES 98115206 T 19980813; JP 26159698 A 19980916; US 15649798 A 19980918