

Title (en)

Stamped knitting tool for textile machines, particularly for knitting machines

Title (de)

Gestanztes Strickwerkzeug für Textilmaschinen, insbesondere Strick- und Wirkmaschinen

Title (fr)

Outil de tricotage estampé pour des machines textiles, notamment pour des machines à tricoter

Publication

EP 0890668 A3 19991215 (DE)

Application

EP 98110673 A 19980610

Priority

DE 19729145 A 19970708

Abstract (en)

[origin: EP0890668A2] The stamped needle, for a knitting machine, has at least one free space formed in the shaft. It is filled with a heterogenous material, bonded at an edge at least in lengths from at least one zone (20) of reduced shaft thickness. It is firmly bonded to the shaft and extends into the edge zone (20) of reduced shaft thickness. The edge zone (20) of reduced shaft thickness has a cross section shape from a zone (21) of min. thickness at the side of the shaft with an increasing thickness to a zone (22) near the free space of a max. thickness.

IPC 1-7

D04B 35/02

IPC 8 full level

D04B 35/02 (2006.01)

CPC (source: EP US)

D04B 35/02 (2013.01 - EP US)

Citation (search report)

- [DA] DE 4442943 C1 19960515 - GROZ & SOEHNE THEODOR [DE]
- [DA] EP 0282647 A1 19880921 - GROZ & SOEHNE THEODOR [DE]
- [A] DE 3843420 C1 19891130

Cited by

DE102014103261A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

DE 19729145 C1 19990107; DE 59805661 D1 20021031; EP 0890668 A2 19990113; EP 0890668 A3 19991215; EP 0890668 B1 20020925; ES 2184172 T3 20030401; JP 2992011 B2 19991220; JP H1181110 A 19990326; US 5937674 A 19990817

DOCDB simple family (application)

DE 19729145 A 19970708; DE 59805661 T 19980610; EP 98110673 A 19980610; ES 98110673 T 19980610; JP 19040198 A 19980706; US 11173798 A 19980708