

Title (en)

Latch needle for stitch-forming textile machines

Title (de)

Zungennadel für maschenbildende Textilmaschinen

Title (fr)

Aiguille à clapet pour des machines textiles formant des mailles

Publication

**EP 0866159 A3 19990224 (DE)**

Application

**EP 98102391 A 19980212**

Priority

DE 19712124 A 19970322

Abstract (en)

[origin: EP0866159A2] The latch needle, for a knitting machine, has the end section (10) of the latch shaft (9) shaped as a cam unit, supported by the spring (15). It has a chamfering (17) and/or a bent edge at the upper surface of the latch shaft which, with the spring (15), determines the back position and holds it there in place. The cam unit has a curved cam surface (18) towards the chamfering (17) or bent edge, which steadily decreases the radial gap from the axis (12) from the upper side of the latch shaft to the under side of the latch shaft.

IPC 1-7

**D04B 35/04**

IPC 8 full level

**D04B 35/06** (2006.01); **D04B 35/04** (2006.01)

CPC (source: EP US)

**D04B 35/04** (2013.01 - EP US)

Citation (search report)

- [DA] US 3050968 A 19620828 - RYOZO MASUJIMA
- [DA] DE 1113537 B 19610907 - STEINHOF APPARATEFAB KARL
- [DA] DE 3702019 C1 19870924 - GROZ & SOEHNE THEODOR

Cited by

EP1197591A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 0866159 A2 19980923; EP 0866159 A3 19990224; EP 0866159 B1 20020502**; DE 19712124 A1 19980924; DE 19712124 C2 19990701; DE 59803961 D1 20020606; ES 2175538 T3 20021116; JP 2941769 B2 19990830; JP H10266049 A 19981006; US 5956976 A 19990928

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**EP 98102391 A 19980212**; DE 19712124 A 19970322; DE 59803961 T 19980212; ES 98102391 T 19980212; JP 6968698 A 19980319; US 4571698 A 19980323