

Title (en)

LATCH NEEDLE FOR STICHFORMING TEXTILE MACHINES

Publication

EP 0547331 A3 19930630 (DE)

Application

EP 92117899 A 19921020

Priority

DE 4142003 A 19911219

Abstract (en)

[origin: US5239844A] A latch needle for a loop-forming textile machine includes a needle shank; a sawslot provided in the needle shank and being defined by two parallel-extending needle shank cheeks; a rivet traversing the sawslot and being rotatably supported in the needle shank; a needle latch pivotally disposed in the sawslot and having a latch spoon and a rivet-receiving bore; and an elongated spring element having a first end anchored in the needle shank and a second end extending into the sawslot. In the closed position of the needle latch the second end of the spring element is in a pressing engagement with a support surface of the needle latch and resiliently urging the needle latch into an intermediate opening position. The needle latch has an open-ended recess extending from an end of the needle latch remote from the latch spoon into the rivet-receiving bore. The needle latch has a wall face defining the open-ended recess at one side thereof and carrying the support surface. The rivet is rigidly affixed to the needle latch.

IPC 1-7

D04B 35/04

IPC 8 full level

D04B 35/04 (2006.01)

CPC (source: EP US)

D04B 35/04 (2013.01 - EP US)

Citation (search report)

- [AD] DE 3702019 C1 19870924 - GROZ & SOEHNE THEODOR
- [AD] DE 413459 C 19250514 - CHRISTIAN SPEIDEL
- [A] DE 271699 C
- [A] US 2711218 A 19550621 - MARCEL VITOUX

Cited by

EP3604651A1; WO2020025589A1; CN112639194A; US11434589B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0547331 A2 19930623; EP 0547331 A3 19930630; EP 0547331 B1 19960110; CA 2084362 A1 19930620; CA 2084362 C 19950207; DE 4142003 C1 19930722; DE 59205016 D1 19960222; ES 2082324 T3 19960316; JP 2589038 B2 19970312; JP H0657606 A 19940301; US 5239844 A 19930831

DOCDB simple family (application)

EP 92117899 A 19921020; CA 2084362 A 19921202; DE 4142003 A 19911219; DE 59205016 T 19921020; ES 92117899 T 19921020; JP 34067092 A 19921221; US 98656692 A 19921207