

Title (en)

LATCH NEEDLE FOR STITCH-FORMING TEXTILE MACHINES

Publication

EP 0149701 A3 19861008 (DE)

Application

EP 84105617 A 19840517

Priority

DE 3331031 A 19830827

Abstract (en)

[origin: US4601180A] To enable the latch (5) of a latch needle to be capable of absorbing great stresses without danger of damage to the needle latch, or to the needle itself, the latch has at least one through-aperture (11, 19) or opening in the region between its pivot bore (8) and the latch spoon (9).

IPC 1-7

D04B 35/04

IPC 8 full level

D04B 15/06 (2006.01); **D04B 35/04** (2006.01)

CPC (source: EP KR US)

D04B 15/06 (2013.01 - KR); **D04B 35/04** (2013.01 - EP US)

Citation (search report)

- [X] US 3728874 A 19730424 - KELLY R, et al
- [AD] US 2596311 A 19520513 - MARCEL VITOUX
- [AD] FR 2385832 A1 19781027 - GROZ & SOEHNE THEODOR [DE]

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

DE 3331031 A1 19850314; DE 3331031 C2 19850711; DE 3473309 D1 19880915; EP 0149701 A2 19850731; EP 0149701 A3 19861008; EP 0149701 B1 19880810; JP S6071750 A 19850423; JP S6125823 B2 19860617; KR 850002496 A 19850513; KR 860000951 B1 19860723; US 4601180 A 19860722

DOCDB simple family (application)

DE 3331031 A 19830827; DE 3473309 T 19840517; EP 84105617 A 19840517; JP 17817284 A 19840827; KR 840005146 A 19840824; US 80776385 A 19851209