

Title (en)
Latch needle for textile machines

Title (de)
Zungennadel für Textilmaschinen

Title (fr)
Aiguille à clapet pour des machines textiles

Publication
EP 1731651 A1 20061213 (DE)

Application
EP 05012412 A 20050609

Priority
EP 05012412 A 20050609

Abstract (en)
The needle has a latch slit (11) limited in shank longitudinal direction by an end surface (18) that is arranged between a latch support (7) and a hook (4). The end surface cuts a surface turned away from an upper side of the needle and a surface that is adjacent to rear of the needle. A distance of a surface (25) from a hook point (5) is larger than another distance from the hook point until to an end of a latch spoon when a latch (6) is arranged in a rear position. The latch is rotatably supported between a closing position and a rear position in the latch slit.

IPC 8 full level
D04B 35/04 (2006.01)

CPC (source: EP KR US)
D04B 35/04 (2013.01 - EP KR US)

Citation (search report)

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- [Y] GB 1591613 A 19810624 - GRIEVE & CO LTD T
- [Y] GB 190906666 A 19090415 - SCOTT ROBERT WALTER [US]
- [DY] DE 586678 C 19331024 - FRANZ MEIWALD
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KR100786986B1

Designated contracting state (EPC)
DE FR GB IT TR

Designated extension state (EPC)
AL BA HR LV MK YU

DOCDB simple family (publication)
EP 1731651 A1 20061213; EP 1731651 B1 20100421; CN 1876925 A 20061213; CN 1876925 B 20110413; DE 502005009453 D1 20100602; JP 2006342481 A 20061221; JP 4370311 B2 20091125; KR 100786986 B1 20071218; KR 20060128728 A 20061214; US 2006277949 A1 20061214; US 7272958 B2 20070925

DOCDB simple family (application)
EP 05012412 A 20050609; CN 200610094502 A 20060608; DE 502005009453 T 20050609; JP 2006151649 A 20060531; KR 20060051830 A 20060609; US 44966306 A 20060609