

Title (en)
Latch needle

Title (de)
Zungennadel

Title (fr)
Aiguille à clapet

Publication
EP 1645670 B1 20080213 (DE)

Application
EP 05019520 A 20050908

Priority
DE 102004049061 A 20041008

Abstract (en)
[origin: EP1645670A1] A textile knitting machine has a tongue needle (1) that extends from the rear face anchorage of the tongue spring (22) into the needle slit (9). The needle has spring attachment detents (19, 21) part-closed towards the spring rear face (7) and retaining the spring ends (25, 26). The spring tongue ends are retained by the attachment detents. The detents are formed by a press. The tongue slit widens towards the needle breast. The tongue slit has side cheeks.

IPC 8 full level
D04B 35/04 (2006.01)

CPC (source: EP KR US)
B21G 1/04 (2013.01 - EP US); **D04B 35/04** (2013.01 - EP KR US)

Cited by
WO2020025589A1; EP3604651A1; US11434589B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 1645670 A1 20060412; EP 1645670 B1 20080213; CN 100529221 C 20090819; CN 1757805 A 20060412; DE 102004049061 A1 20060420; DE 102004049061 B4 20060824; DE 502005002812 D1 20080327; JP 2006104653 A 20060420; JP 4117314 B2 20080716; KR 100740023 B1 20070718; KR 20060052091 A 20060519; US 2006075788 A1 20060413; US 7191620 B2 20070320

DOCDB simple family (application)
EP 05019520 A 20050908; CN 200510107110 A 20050930; DE 102004049061 A 20041008; DE 502005002812 T 20050908; JP 2005293652 A 20051006; KR 20050094201 A 20051007; US 24343105 A 20051005