

Title (en)
Latch needle

Title (de)
Zungennadel

Title (fr)
Aiguille à clapet

Publication
EP 1514964 A1 20050316 (DE)

Application
EP 04018092 A 20040730

Priority
DE 10341630 A 20030910

Abstract (en)
A latch needle (1) comprises a needle body having a shank (3) that on its end provided with a hook (4) and that near the hook is provided with a sawslot (6); and latch (5) that is disposed pivotably supported in the sawslot on a latch bearing device and is provided with a cleaning profile (19).

Abstract (de)
Eine Zungennadel (1) ist mit einer Zunge (5) versehen, die an ihrem Zungenschaftende (18) ein Räumprofil (19) trägt. Das Räumprofil (19) dient dazu, den Zungenschlitz (6) von Schmutz frei zu halten. Es weist dazu zumindest eine spezielle Räumfläche (24) auf. <IMAGE>

IPC 1-7
D04B 35/04

IPC 8 full level
D04B 35/04 (2006.01)

CPC (source: EP KR US)
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Citation (search report)

- [AP] US 2004011086 A1 20040122 - WANG ZHIYONG [DE]
- [A] US 2002152774 A1 20021024 - SAUTER MANFRED [DE], et al
- [AD] US 1163296 A 19151207 - WILLIAMS LOUIS N D [US]
- [AD] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 07 31 July 1996 (1996-07-31)

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