

Title (en)

Latch needle for loop forming textile machine

Title (de)

Zungennadel für maschenbildende Textilmaschine

Title (fr)

Aiguille à clapet pour machine textile formant des mailles

Publication

**EP 1870502 A1 20071226 (DE)**

Application

**EP 06012737 A 20060621**

Priority

EP 06012737 A 20060621

Abstract (en)

A molded first facet (10) is located on each side of the transition region (16) of the head (8) of a latch (6). The latch is supported so as to pivot between a closed position in which it contacts a hook (4), and a rear position in which the latch head interacts with a receiving funnel (15). A molded second facet (11) is provided at the transition region of the latch head such that the second facet adjoins the first facet.

Abstract (de)

Die erfindungsgemäße Zungennadel (1) weist eine Zunge (6) auf, die an ihrem Zungenlöffel an der dem Haken (4) abgewandten Seite desselben mit wenigstens zwei Facetten bzw. Formflächen (10,10',11,11') versehen ist. Die Facetten (11,11') die zu dem Zungenrücken (23) hin aufeinander zu laufen, verringern das Volumen des Zungenkopfs (8). Dadurch ist es möglich, die Weite C der Ausnehmung (15,27) zu verringern, was zu einer Stabilisierung der Strickmaschinennadel (1) in diesem Bereich führt.

IPC 8 full level

**D04B 35/04** (2006.01)

CPC (source: EP KR US)

**D04B 35/00** (2013.01 - KR); **D04B 35/04** (2013.01 - EP KR US)

Citation (search report)

- [X] EP 1584722 A1 20051012 - GROZ BECKERT KG [DE]
- [A] US 3031867 A 19620501 - WOLFGANG WIEDERHUT, et al
- [DA] DE 2817136 A1 19790125 - FUKUHARA NEEDLE CO LTD
- [DA] US 2817222 A 19571224 - NOE HAROLD C

Designated contracting state (EPC)

DE FR GB IT TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1870502 A1 20071226; EP 1870502 B1 20090729**; CN 101109134 A 20080123; CN 101109134 B 20110126; DE 502006004377 D1 20090910; JP 2008002054 A 20080110; JP 4614990 B2 20110119; KR 100903013 B1 20090617; KR 20070121530 A 20071227; US 2007295034 A1 20071227; US 7421859 B2 20080909

DOCDB simple family (application)

**EP 06012737 A 20060621**; CN 200710111855 A 20070620; DE 502006004377 T 20060621; JP 2007162154 A 20070620; KR 20070059750 A 20070619; US 81258907 A 20070620