

Title (en)
Sliding-tongue compound needle for a knitting machine

Title (de)
Schiebernadel für Strickmaschinen

Title (fr)
Aiguille à coulisse pour machine à tricoter

Publication
EP 1233093 B1 20051123 (FR)

Application
EP 02405107 A 20020213

Priority
FR 0102272 A 20010220

Abstract (en)
[origin: US2002112509A1] Sliding-tongue compound needle comprising a needle (1) equipped with a hook (3) and with a sliding tongue (2) straddling the needle and equipped with an end (12) and with a shoulder (13), the bottom of the sliding tongue being longitudinally slotted in its distal region comprising the end (12) and the shoulder (13) so as to allow the end to be parted, the sliding tongue being movable relative to the needle to close and open the hook of the needle and to carry a stitch by its shoulder. This needle has means (6) for the vertical guidance of the sliding tongue (2) as it moves relative to the needle (1) so that the sliding tongue moves in a non-rectilinear path.

IPC 1-7
D04B 35/06

IPC 8 full level
D04B 35/06 (2006.01)

CPC (source: EP KR US)
D04B 35/06 (2013.01 - EP KR US)

Citation (examination)

- JP H09228206 A 19970902 - SHIMA SEIKI MFG
- EP 1229158 A

Cited by
DE112005003021B4; EP3904578A1; WO2021219261A1; CN115398052A; US11891734B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1233093 A1 20020821; EP 1233093 B1 20051123; AT E310844 T1 20051215; BR 0200461 A 20021029; CN 1272494 C 20060830; CN 1372028 A 20021002; DE 60207454 D1 20051229; DE 60207454 T2 20060720; EA 004389 B1 20040429; EA 200200181 A1 20021226; ES 2252417 T3 20060516; FR 2821093 A1 20020823; FR 2821093 B1 20030509; HK 1049030 A1 20030425; JP 2002294541 A 20021009; JP 4121286 B2 20080723; KR 100825062 B1 20080425; KR 20020068278 A 20020827; TW 553231 U 20030911; US 2002112509 A1 20020822; US 6510712 B2 20030128

DOCDB simple family (application)
EP 02405107 A 20020213; AT 02405107 T 20020213; BR 0200461 A 20020220; CN 02105103 A 20020220; DE 60207454 T 20020213; EA 200200181 A 20020219; ES 02405107 T 20020213; FR 0102272 A 20010220; HK 03101170 A 20030218; JP 2002041609 A 20020219; KR 20020008652 A 20020219; TW 92202666 U 20020219; US 7962202 A 20020219