

Title (en)

Compound needle for flatbed knitting machine

Title (de)

Schiebernadel für Flachstrickmaschinen

Title (fr)

Aiguille de type compound pour machine à tricoter rectiligne

Publication

EP 2458052 A2 20120530 (EN)

Application

EP 11009237 A 20111122

Priority

JP 2010260511 A 20101122

Abstract (en)

[Problem to be solved] There is provided a compound needle of a flatbed knitting machine that can reliably guide a tongue to be sunk in a slider groove at clearing time in which a slider having the tongue formed with two blades is moved back with respect to a needle body. [Solution] In a clearing time, a head portion (14g) of a blade (14) is put in a clearing portion (12i) of a slider groove (12c), and a sloping portion (14f) is pressed with a pressing portion (12f) on the under surface of an overhanging portion (12e). A tongue (14a) is sunk in the slider groove (12c), and a stitch can smoothly move back along a needle shank (12b). An arm (14b) is extended on the rearward beyond the overhanging portion (12e), so that it is possible to form a compound needle (11) by combining a needle body (12) with a slider (13) from above, even though a curving portion (14e) is provided subsequent to the tongue (14a).

IPC 8 full level

D04B 35/06 (2006.01)

CPC (source: EP)

D04B 35/06 (2013.01)

Citation (applicant)

JP 3577038 B2 20041013

Cited by

EP3425097A3; EP2581480A1; US8578740B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2458052 A2 20120530; EP 2458052 A3 20120905; EP 2458052 B1 20150617; CN 102535001 A 20120704; CN 102535001 B 20150304; JP 2012112059 A 20120614; JP 5618778 B2 20141105

DOCDB simple family (application)

EP 11009237 A 20111122; CN 201110361239 A 20111115; JP 2010260511 A 20101122