

Title (en)
Compound needle for flatbed knitting machine

Title (de)
Schiebernadel für Flachstrickmaschinen

Title (fr)
Aiguille à coulisseau pour machine à tricoter rectiligne

Publication
EP 2397590 A2 20111221 (EN)

Application
EP 11005006 A 20110620

Priority
JP 2010139815 A 20100618

Abstract (en)
[Problem to be solved] The present invention provides a compound needle for a flatbed knitting machine in which positioning of an opening/closing body and a base body is easily made when the opening/closing body and the base body are coupled to each other and a large force is hardly applied to the coupling portion. [Solution] A coupling portion 16 between blades 13, 14 as an opening/closing body 12 of a slider 11 and a base body 15 is positioned in the front-rear direction by providing a coupling groove 15b formed so as to correspond to the lengths of upper stages 13e, 14e on one side face of the base body 15, fitting the upper stages 13e, 14e into the coupling groove 15b, and making rear ends of the connecting portions 13d, 14d have in contact with an contacting portion 15c. Rear portions of the blades 13, 14 are divided into the upper stages 13e, 14e and lower stages 13c, 14c so that the lengths of the blades 13, 14 can be shortened in the front-rear direction. A force required for positioning the coupling portion 16 in the vertical direction can be made to act from the lower side easily. The lower stages 13c, 14c sag and absorb a force received by front portions of the blades 13, 14 from the bottom of the slider groove 17d so that the force is hardly applied to the coupling portion 16.

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Cited by
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