

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 2415917 B1 20140312 (EN)

Application

EP 11006394 A 20110803

Priority

JP 2010178134 A 20100806

Abstract (en)

[origin: EP2415917A1] [Abstract] [Problem to be solved] There is provided a compound needle for a flatbed knitting machine, which can make a slider hard to move backward owing to a pulling force to a downward of a needle bed gap, which acts on an old loop, even if a state where a tongue rises relatively is temporarily held, when the tongue is moved relatively so as to close a hook. [Solution] A bottom portion of a tongue 6, there formed a step portion 6e between a slide contact portion 6c and an contacting portion 6d, has a shape concaved to the upper side in comparison with a conventional shape 6f. A stitch held on an upper edge 6a receives a pulling force to a downward of a needle bed gap 8. A direction that the pulling force acts on the stitch is almost identical to a direction that the contacting portion 6d contacts a flat face 4b. Therefore, since a component force in the direction along the flat face 4b is hardly generated, a slider 5 is made hard to move backward. If the contacting portion 6d has a circular arc shape, only a component force in the direction constantly perpendicular to the flat face 4b is generated and a component force in the direction along the flat face 4b is not generated, so that the slider 5 can be made further hard to move backward.

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