

Title (en)
Slider needle with asymmetrical formed slider

Title (de)
Schiebernadel mit asymmetrisch geteiltem schieber

Title (fr)
Aiguille à coulisse asymétrique

Publication
EP 1094139 B1 20060301 (DE)

Application
EP 00122042 A 20001011

Priority
DE 19950259 A 19991018

Abstract (en)
[origin: DE19950259C1] The compound needle (1) for a knitter has a slide (3) which rides longitudinally in a slide channel (7) in the needle body (2). Two slide springs (22,23), through the channel (7), are asymmetric to each other at least in their sections within the channel (7). At least one slide spring (22,23) has at least one recessed section which, in operation, is at least temporarily in the open zone (15) of the channel (7). Or both slide springs (22,23) have recesses, pref. at different points. The recesses overlap at least partially. The slide springs (22,23) are held at a slide body (3) at a mounting point, with web sections extending longitudinally from the mounting to transit into a guide section. The web sections do not overlap, and the spring guide sections are offset against each other in relation to the longitudinal line. The slide springs (22,23) have projections to hold the stitches where their structures are asymmetric to each other. The slide springs can be arranged without an overlap, with their asymmetric sections mainly within the channel. At least one side wall (8,9) of the slide channel in the needle body (2) has at least one opening (15) for the removal of collected debris in the knitter needle channels. The opening (15) can be in the base of the slide channel (7) for the removal of foreign matter from the needle channels. Each slide spring has upper and lower laying surfaces, at equal gaps. The slide springs (22,23) are higher than the walls of the channel, with the upper laying surfaces projecting over the channel walls (8,9).

IPC 8 full level
D04B 35/06 (2006.01); **D04B 35/32** (2006.01)

CPC (source: EP US)
D04B 35/06 (2013.01 - EP US); **D04B 35/32** (2013.01 - EP US)

Citation (examination)
• DE 3123785 A1 19820527 - TEXTIMA VEB K [DD]
• GB 1347154 A 19740227 - LINDNER H, et al

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