

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

Designated contracting state (EPC)  
DE ES FR GB IT

DOCDB simple family (publication)  
**DE 19950259 C1 20010125**; DE 50012284 D1 20060427; EP 1094139 A1 20010425; EP 1094139 B1 20060301; ES 2255930 T3 20060716; JP 2001140148 A 20010522; JP 4056690 B2 20080305; US 6339942 B1 20020122

DOCDB simple family (application)  
**DE 19950259 A 19991018**; DE 50012284 T 20001011; EP 00122042 A 20001011; ES 00122042 T 20001011; JP 2000315616 A 20001016; US 69074000 A 20001018