

Title (en)

Multi-needle knotted-stitch quilting machine wherein the shuttles follow an arc-shaped path

Title (de)

Mehrnadelsteppdeckennähmaschine mit verknötetem Stich und Schiffchen, die einen bogenförmigen Pfad folgen

Title (fr)

Machine à piquer à aiguilles multiples et point noué dans laquelle les navettes suivent une trajectoire courbe

Publication

EP 0715012 A3 19960814 (EN)

Application

EP 95830491 A 19951124

Priority

IT MI942411 A 19941128

Abstract (en)

[origin: EP0715012A2] There is disclosed a multi-needle knotted-stitch quilting machine wherein the shuttles advantageously follow an arc-shaped path instead of the rectilinear reciprocating motion according to the prior art. This path normally extends for an operating angle α while a manual or automatic control is provided, after disengaging said oscillating mechanism, for performing an additional rotation β of the shuttles so as to make them accessible by having them come out from the fixed needle plate, also curved. The side guides of the shuttles, also arched, preferably have a rear extension to hold the shuttles when they have been rotated beyond the normal angle of oscillation α . There are also provided kinematic counterweight, pneumatic, hydraulic or spring devices for balancing the assembly and dampening the vibrations. <IMAGE>

IPC 1-7

D05B 11/00; **D05C 11/18**; **D05C 3/02**

IPC 8 full level

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CPC (source: EP)

D05C 3/02 (2013.01); **D05C 11/18** (2013.01); **D05B 11/00** (2013.01)

Citation (search report)

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