

Title (en)

Needle thread controlling device mounted under the throat plate of a lockstitch sewing machine.

Title (de)

Unter der Stichplatte einer Doppelsteppstichnähmaschine angeordnete Nadelfadenkontrolleinrichtung.

Title (fr)

Organe de contrôle du fil d'aiguille, disposé sous la plaque d'aiguille d'une machine coudre à point de navette.

Publication

EP 0008615 A1 19800319 (DE)

Application

EP 79101922 A 19790613

Priority

DE 2827832 A 19780624

Abstract (en)

[origin: US4279210A] A double-lock-stitch sewing machine in which the needle-thread loop on the underside of the workpiece on a stitching plate is engaged with a gripper thread by the rotating gripper associated with the bobbin housing for the bobbin supplying the gripper thread. According to the invention, in the path of the needle-thread loop in the space between the stitch plate and the gripper, there is provided a spring wire or rod which bears upon the needle-thread loop and prevents the formation of knots or bunching in the needle thread. The spring wire is fastened to the underside of the stitch plate on opposite sides of the needle hole and flanks the latter in its undeflected state.

Abstract (de)

Doppelsteppstichnähmaschine mit einem umlaufenden Doppelsteppstichgreifer (2) und einem zur Beeinflussung der Bewegung der Nadelfadenschleife (3) im Raum zwischen der Stichplatte (7) und dem Greifer (2) quer zur Nähgutvorschubrichtung angeordneter Federstab (1).

IPC 1-7

D05B 61/00

IPC 8 full level

D05B 1/12 (2006.01); **D05B 57/14** (2006.01); **D05B 63/00** (2006.01); **D05B 73/12** (2006.01)

CPC (source: EP US)

D05B 57/14 (2013.01 - EP US); **D05B 73/12** (2013.01 - EP US)

Citation (search report)

- US 1461428 A 19230710 - MICHAEL MCCANN
- DE 2439214 A1 19760226 - DUERKOPFWERKE

Designated contracting state (EPC)

BE CH FR GB IT

DOCDB simple family (publication)

DE 2827832 A1 19800117; **DE 2827832 C2 19820722**; EP 0008615 A1 19800319; EP 0008615 B1 19821117; JP S5538187 A 19800317; JP S636236 B2 19880208; US 4279210 A 19810721

DOCDB simple family (application)

DE 2827832 A 19780624; EP 79101922 A 19790613; JP 7827279 A 19790622; US 5115979 A 19790622