

Title (en)
Bobbin winder for a sewing machine.

Title (de)
Spulvorrichtung für Nähmaschine.

Title (fr)
Bobinoir de canette pour machine à coudre.

Publication
EP 0194967 A1 19860917 (DE)

Application
EP 86810037 A 19860123

Priority
CH 55685 A 19850207

Abstract (en)
[origin: US4646982A] A self-sustaining bobbin winding device for use in a sewing machine has a driving unit which carries the bobbin during winding of a thread onto its core, and such unit is driven by an electric motor which can be arrested in response to actuating of an electric switch. The switch is actuated by one arm of a three-armed lever another arm of which is caused to bear against the roll of convoluted thread on the rotating bobbin and initiates a stoppage of the motor when the bobbin has collected a preselected length of thread. The third arm of the lever can be depressed by hand to disengage the other arm from the convoluted thread and to actuate the switch at the will of the operator. A first thread cutting tool is provided on the third arm of the lever, and a second thread cutting tool is provided on the driving unit.

Abstract (de)
Die Spulvorrichtung (1) ist als in sich geschlossene Baueinheit ausgebildet und besteht aus einem dreiarmigen Hebel (9), mit dem die Fadenmenge auf der Spule (37) abgetastet und ein Schalter (55) zum Abschalten des Motors (5) betätigt wird. Der dritte Arm (27) des Hebels (9) dient dazu, den Spulvorgang von Hand zu unterbrechen.

IPC 1-7
D05B 59/00

IPC 8 full level
D05B 59/00 (2006.01)

CPC (source: EP US)
D05B 59/00 (2013.01 - EP US)

Citation (search report)

- [A] FR 2187185 A5 19740111 - KOLLMORGEN CORP [US]
- [A] EP 0009107 A2 19800402 - DORINA NAEHMASCH [DE]
- [A] US 2255152 A 19410909 - COLEGROVE NATHANIEL E
- [A] FR 1156682 A 19580520 - SINGER MFG CO
- [A] CH 633335 A5 19821130 - JENTSCHMANN JAKOB [CH]
- [A] FR 1158669 A 19580618 - FLII BORLETTI

Cited by
EP4382653A1; US2021404102A1; US11807969B2

Designated contracting state (EPC)
DE FR GB SE

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EP 0194967 A1 19860917; EP 0194967 B1 19881207; CH 668445 A5 19881230; DE 3661361 D1 19890112; JP H0632736 B2 19940502; JP S61181490 A 19860814; US 4646982 A 19870303

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