

Title (en)

METHOD FOR DETECTING A THREAD LAP AND DEVICE FOR GUIDING A THREAD

Title (de)

VERFAHREN ZUM ERKENNEN EINES FADENWICKELS UND VORRICHTUNG ZUM FÜHREN EINES FADENS

Title (fr)

PROCÉDÉ DE RECONNAISSANCE D'UN ENROULEMENT DE FIL ET DISPOSITIF DE GUIDAGE D'UN FIL

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Abstract (en)

[origin: WO2015028309A1] The invention relates to a method for detecting a thread lap on the circumference of a driven godet jacket (1) of a supplying device and such a supplying device. The method and the supplying device are based on a godet jacket (1) that is driven by a motor shaft (3) of an electric motor (2), on the circumference of which godet jacket a thread is guided. According to the invention, in order to detect the thread lap, a physical operating parameter of the electric motor is continuously monitored, wherein an actual value of the operating parameter is compared with a stored threshold value of the operating parameter. According to the invention, the supplying device has a brushless synchronous motor (BLDC motor) for this purpose, wherein control electronics (5) of the BLDC motor are designed to detect a thread lap formed on the godet jacket (1).

IPC 8 full level

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