

Title (en)

Thread feeding apparatus for a sewing machine.

Title (de)

Fadenzufuhrvorrichtung für Nähmaschine.

Title (fr)

Dispositif d'amenée du fil supérieur sur une machine à coudre.

Publication

EP 0264515 A1 19880427 (EN)

Application

EP 86850187 A 19860624

Priority

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- JP 15802486 A 19860707

Abstract (en)

An apparatus for feeding thread for a sewing machine comprising a thread feeding system for guiding the thread (14) from a spool (13) to a take-up lever (2) of the sewing machine (A). The thread feeding device is comprised of a pressure roller (10) and a feed roller (8) driven by a motor, an encoding device (17) installed on the main drive shaft of the sewing machine, an encoder (8a) for measuring the length of the thread fed, and a thread holding device (11), whereby when the encoding device (17) gives the signal to the thread holding device to release the thread, the thread feeding device feeds the thread for completing one full stitch, and the encoder (8a) actuates the thread holding device (11) to hold the thread during the stitching. A second embodiment of the apparatus discloses another thread holding device (7) which is installed between the take-up lever and the thread feeding device whereby the thread holding device grips the thread before the take-up lever starts tightening the stitch.

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Citation (search report)

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