Title (en)

    THREAD LAYING DEVICE AND WINDING MACHINE

Title (de)

    FADENVERLEGEVORRICHTUNG UND SPULMASCHINE

Title (fr)

    DISPOSITIF DE POSE DE FIL ET ENROULEUSE

Publication

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Application

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Abstract (en)

    [origin: WO2015007339A1] The invention relates to a thread laying device (10) for winding a thread (14) on a spool, having two impellers (30, 32) which can be driven about their respective rotational axes (30a, 32a) in opposite directions in order to move the thread (14) to be wound towards or away from the spool. The thread laying device has at least one first curved disk (46), from the contour (46a) of which the impellers (30, 32) project at emergence points (A1, A2) during operation and into which the impellers are immersed again in the region of immersion points (E1, E2), wherein the threads are transferred between the impellers (30, 32) in the region of the immersion points (E1, E2). Two thread tensioning devices (48) together with the contour (46a) of the curved disk (46) form a respective thread inlet slot (50) in the region of the immersion points (E1, E2). The thread laying device (12) has an adjusting device (24) by means of which the rotational axes (30a, 32a) of the impellers (30, 32) and the thread tensioning devices (48) can be adjusted together relative to the curved disk (46, 46') along an adjustment axis (S) with an invariant distance to each other and in a synchronous manner. A control device (36) is used to actuate the adjusting device (24) in a controlled/regulated manner. The invention further relates to a winding machine comprising such a thread laying device (12).

IPC 8 full level

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