

Title (en)
METHOD FOR CONTROLLING AN IMPELLER-TYPE THREAD LAYING DEVICE, IMPELLER-TYPE THREAD LAYING DEVICE, AND WINDING MACHINE

Title (de)
VERFAHREN ZUM STEUERN EINER FLÜGELRAD-FADENVERLEGEVORRICHTUNG, FLÜGELRAD-FADENVERLEGEVORRICHTUNG SOWIE SPULMASCHINE

Title (fr)
PROCÉDÉ DE COMMANDE D'UN DISPOSITIF DE POSE DE FIL À ROUE À AILETTES, DISPOSITIF DE POSE DE FIL À ROUE À AILETTES ET BOBINEUSE

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Abstract (en)
[origin: WO2017080718A1] The invention relates to a method (100) for controlling a thread laying device comprising two impellers (26, 28) which can be driven in opposite directions in order to move a thread to be wound on a rotating spool back and forth between two turning points (U1, U2) along the spool longitudinal axis by means of a traversing movement with a target traversing stroke width (Hs) of the thread laying device, said target traversing stroke width differing from a base traversing stroke width (HN). According to the invention, each impeller (26, 28) being moved in the idle traversing stroke, i.e. each idle traversing stroke impeller (26, 28), is first accelerated or braked to an overcompensation angular speed (Voc) in the idle traversing stroke interval (TL) of the impeller, said overcompensation angular speed being determined on the basis of a theoretical constant compensation angular speed (Vc) required to transfer the thread in the next turning point (U1, U2) of the traversing movement of the thread. The impeller is then moved at its specified operating angular speed (Vw) in order to receive the thread from the other impeller (26, 28) guiding the thread at the operating angular speed (Vw) in the next turning point (U1, U2) of the traversing movement of the thread. The invention further relates to a thread laying device and to a winding machine comprising such a thread laying device.

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