

Title (en)

THREAD DRIVE MECHANISM CONTROLLED IN A MANNER DEPENDING ON THE DETERMINED THREAD TENSION

Title (de)

IN ABHÄNGIGKEIT VON DER ERMITTELTEN FADENSCHNITTUNG ANGESTEUERTER FADENANTRIEBSMECHANISMUS

Title (fr)

MECANISME D'ENTRAINEMENT DU FIL COMMANDE EN FONCTION DE LA TENSION DETERMINEE DU FIL

Publication

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Application

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Abstract (en)

[origin: WO03002801A1] The invention relates to a device for a stitching or sewing machine, said device comprising a thread drive mechanism with a roller mounted to rotate about an axis, which may be driven by a drive unit in both directions about the axis thereof. On turning said roller in one direction, an upper thread for thread feed or loop formation is wound off a feed spool and by rotating the roller in the opposite direction, the upper thread is pulled back (thread withdrawal) and thus drawing the stitch or loop. During the stitching or sewing process a measuring device measures the tension in the upper thread and the device controls the thread drive mechanism depending on the determined thread tension.

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