

Title (en)

STITCH-FORMING MACHINE AND METHOD FOR DETECTING MALFUNCTIONS

Title (de)

STICHBILDENDE MASCHINE UND VERFAHREN ZUM ERKENNEN VON FEHLFUNKTIONEN

Title (fr)

MACHINE FORMANT DES POINTS DE COUTURE ET PROCEDE POUR DETECTER UNE ANOMALIE

Publication

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Application

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Abstract (en)

[origin: WO0034563A1] The invention relates to a stitch-forming machine, notably an embroidery machine, sewing machine or sewing system, comprising at least one thread for embroidering or sewing, namely at least one upper thread (4) and at least one lower thread, as well as a device for recognizing malfunctions in the area of the thread. The invention also relates to a corresponding method. The device comprises at least one thread bar (5) by means of which the upper thread (4) is deflected. The thread bar (5) can be deflected from an unsolicited initial position against a restoring force in the direction of a force which results from the tension of the upper thread (4) and is applied in the plane defined by the deflected upper thread (4). At least one detection device for detecting the thread bar deflection caused by the thread tension force is assigned to the thread bar. The device further has evaluation means which present at least one averaging element and at least one comparator.

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