Title (en)

THREAD PROCESSING SYSTEM AND ADAPTATION METHOD

Title (de)

FADENVERARBEITUNGSSYSTEM UND VERFAHREN ZUR ANPASSUNG

Title (fr)

SYSTEME DE TRAITEMENT DE FILS ET PROCEDE D'ADAPTATION

Publication

EP 1648808 B1 20110706 (DE)

Application

EP 04740812 A 20040708

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- EP 2004007513 W 20040708
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Abstract (en)

[origin: WO2005014454A1] The invention relates to an air-jet loom (W) and a thread processing system comprising at least one weft-thread measuring delivery device (F), in which a loom controller (MC) and a measuring delivery device controller (C) are connected via an information transmission route (A) for at least the cloth width (B, B') and the storage body diameter (D) that is to be set can be defined using the transmitted cloth width information (iB). An optoelectronic thread sensor (S) generates signals from the presence or absence of the weft-thread (Y) in a scanning zone (Z) on the storage body (4). The thread sensor (S) is a reflection-operated sensor, which can be used to generate weft-thread presence and absence signal levels (Hi, Lo, Hi , Lo). An automatic level threshold selection device (K) is connected to the information transmission route (A), said device having at least two different level thresholds (S1, S2) for signal level evaluation for different cloth widths. Each level threshold value (S1, S2) lies between the respective presence and absence signal levels for the diameter that is correlated with the current cloth width (B, B'). This allows the measuring delivery device to automatically adapt, with regard to the thread scanning operation, to the current cloth width or the defined diameter (D) of the storage body.

IPC 8 full level

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