

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

Priority

- EP 2004007513 W 20040708
- DE 10334339 A 20030728

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
B65H 51/22 (2006.01); **D03D 47/36** (2006.01)

CPC (source: EP)
D03D 47/367 (2013.01)

Cited by
CN103336424A

Designated contracting state (EPC)
CH DE IT LI

DOCDB simple family (publication)
DE 10334339 A1 20050224; CN 100475676 C 20090408; CN 1829649 A 20060906; EP 1648808 A1 20060426; EP 1648808 B1 20110706; WO 2005014454 A1 20050217

DOCDB simple family (application)
DE 10334339 A 20030728; CN 200480021668 A 20040708; EP 04740812 A 20040708; EP 2004007513 W 20040708