Title (en)

METHOD AND APPARATUS FOR NEEDLE MONITORING

Title (de)

VERFAHREN UND VORRICHTUNG ZUR NADEL ÜBERWACHUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF DE SURVEILLANCE D'AIGUILLES

Publication

EP 2092100 A1 20090826 (DE)

Application

EP 06829013 A 20061113

Priority

EP 2006010844 W 20061113

Abstract (en)

[origin: WO2008058550A1] The method according to the invention for monitoring needles of a knitting machine is based on dynamic fixing of the monitored time intervals between individual needle pulses. The time duration of at least one or more preceding time periods between individual signal pulses is taken as a measure of the time interval which is currently to be assessed. Dynamic fixing of the switching thresholds for generating the signal pulses can likewise be performed. In turn, the amplitude of preceding pulses is analysed, a trend is determined and the switching thresholds for generating the current signal pulse is stipulated from this trend. The pulses which are generated at all needle positions can be assessed by way of this method. If the needle cylinder is deliberately fitted only partially, individual needle positions can be indicated correspondingly and removed from the assessment. This results in a dependable, robust and reliable monitoring method.

IPC 8 full level

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