

Title (en)

Method and device for weft yarn monitoring in weaving processes and the like

Title (de)

Verfahren und Vorrichtung zur Überwachung von Schussfaden in Webverfahren oder dergleichen

Title (fr)

Procédé et dispositif pour surveiller la trame dans les procédés de tissage et similaires

Publication

EP 1036869 B1 20040225 (EN)

Application

EP 00104465 A 20000308

Priority

IT TO990204 A 19990316

Abstract (en)

[origin: EP1036869A1] A method for monitoring weft yarn in weaving processes in which the weft yarn is fed to the loom (T) by means of a feeder (11) with a windmilling arm for depositing a weft reserve. The method comprises the steps of: generating a signal indicating the presence of the yarn at the input of the feeder (11); amplifying and rectifying the signal; and comparing the signal with a parametric reference voltage (VR) in order to obtain a signal for halting the loom in the absence of the yarn presence signal. In order to prevent an excessively weak presence signal from failing to halt the loom (T) when the yarn breaks, the method is improved by adding the additional steps of correspondingly varying the amplification gain of the presence signal and/or the parametric reference voltage (VR) as one or more factors of the weaving process (yarn count and type, travel speed, mechanical tension) vary correspondingly. <IMAGE>

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DE

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