Title (en)

METHOD AND WEAVING MACHINE HAVING AN APPARATUS FOR MONITORING THREAD OVERTENSION

Title (de)

VERFAHREN UND WEBMASCHINE MIT EINER VORRICHTUNG ZUM ÜBERWACHEN EINER FADENÜBERSPANNUNG

Title (fr)

PROCÉDÉ ET MÉTIER À TISSER MUNI D'UN DISPOSITIF DE SURVEILLANCE D'UNE SURTENSION DES FILS

Publication

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Application

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Abstract (en)

[origin: WO2013020782A2] The invention relates to a method for monitoring thread overtension in a weaving machine having mechanical weft insertion elements (1) and also to a weaving machine having an apparatus for carrying out the method. In this case, threads (2) which extend in a warp direction (20) are supplied from a thread store to shedding elements (3) via a thread stop motion (4), wherein, when the tension in one of the threads (2) drops below a particular level, a signal is generated at the weaving machine by the thread stop motion (4). The invention is characterized in that at least one group of threads (2.1, 2.2) extending in the warp direction (20) is guided between the thread store and the shedding elements (3) over an elastically deflectable thread deflecting element (5) such that, when a particular tension in one of the threads (2.1) in this group (2.1, 2.2) is exceeded, the thread deflecting element (5) is deflected such that, as a result of this deflection, the tension in at least one other thread (2.2) in this group (2.1, 2.2) is reduced to such an extent that the thread stop motion (4) generates a signal.

IPC 8 full level

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