

Title (en)  
METHOD FOR MONITORING WEFT TRAVELING CONDITION IN AIR JET LOOM

Title (de)  
VERFAHREN ZUM ÜBERWACHEN DER SCHUSSTRANSPORTBEDINGUNG IN EINER LUFTDÜSENWEBMASCHINE

Title (fr)  
PROCÉDÉ DE SURVEILLANCE DE L'ÉTAT DE DÉPLACEMENT DE TRAME DANS UN MÉTIER À TISSER À JET D'AIR

Publication  
**EP 3144422 B1 20181017 (EN)**

Application  
**EP 16184668 A 20160818**

Priority  
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Abstract (en)  
[origin: EP3144422A2] There is provided a method for monitoring weft traveling condition in an air jet loom that includes a weft measuring and storing device having a drum, a weft stop pin, and a balloon sensor that detects the release of the weft yarn. The air jet loom further includes a weft insertion nozzle, a plurality of sub-nozzles, a brake, and a weft sensor that is disposed within a width of cloth. The weft sensor is disposed upstream of a position of leading end of the weft yarn corresponding to a brake timing of the brake in weft insertion direction. The weft traveling condition is monitored by grasping a time difference between a weft passage timing given by a weft detection signal generated by the weft sensor and a weft release timing given by a weft release signal generated by the balloon sensor.

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