

Title (en)  
METHOD FOR DIAGNOSING WEFT INSERTION IN AIR JET LOOM AND APPARATUS FOR DIAGNOSING WEFT INSERTION IN AIR JET LOOM

Title (de)  
VERFAHREN ZUR DIAGNOSE DES SCHUSSEINTRAGS IN EINER LUFTDÜSENWEBMASCHINE UND VORRICHTUNG ZUR DIAGNOSE DES SCHUSSEINTRAGS IN EINER LUFTDÜSENWEBMASCHINE

Title (fr)  
PROCÉDÉ DE DIAGNOSTIC D'INSERTION DE TRAME DANS UN MÉTIER À TISSER À JET D'AIR ET APPAREIL DE DIAGNOSTIC D'INSERTION DE TRAME DANS UN MÉTIER À TISSER À JET D'AIR

Publication  
**EP 3348688 A1 20180718 (EN)**

Application  
**EP 17210630 A 20171227**

Priority  
JP 2017004156 A 20170113

Abstract (en)  
A method for diagnosing weft insertion in an air jet loom, wherein the air jet loom includes a main nozzle, a sub-nozzle, a balloon sensor, a weft measuring and storing device, an end sensor, and a control device includes the steps of disposing a weft passage sensor on the side of the weft passage opposite from the main nozzle with respect to a center. The method further includes the step of determining a weft insertion failure as a looped weft failure when the number of the weft unwinding signals is normal and the weft yarn is detected neither by the end sensor nor by the weft passage sensor, and the weft insertion failure as the end arrival failure when the number of the weft unwinding signals is normal and the weft yarn is detected by the weft passage sensor but not by the end sensor.

IPC 8 full level  
**D03D 47/30** (2006.01); **D03D 51/34** (2006.01)

CPC (source: CN EP)  
**D03D 47/3073** (2013.01 - CN EP); **D03D 47/3093** (2013.01 - CN EP); **D03D 51/34** (2013.01 - EP)

Citation (applicant)  
JP S62162050 A 19870717 - TSUDAKOMA IND CO LTD

Citation (search report)

- [XYI] EP 0572350 A1 19931201 - TOYODA AUTOMATIC LOOM WORKS [JP]
- [Y] EP 1700940 A1 20060913 - TSUDAKOMA IND CO LTD [JP]

Cited by  
BE1026923B1

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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
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