Title (en)

METHOD OF DETECTING WEFT YARN IN AIR JET LOOM

Title (de)

VERFAHREN ZUM ERKENNEN EINES SCHUSSFADENS IN EINER LUFTDÜSENWEBMASCHINE

Title (fr)

PROCÉDÉ DE DÉTECTION DE FIL DE TRAME DANS UN MÉTIER À TISSER À JET D'AIR

Publication

EP 3498901 B1 20200429 (EN)

Application

EP 18210340 A 20181205

Priority

JP 2017239729 A 20171214

Abstract (en)

[origin: EP3498901A1] A method of detecting a weft yarn in an air jet loom includes: setting a first weft yarn detection period (P1); setting a second weft yarn detection period (P2); setting a first threshold (S1, S3) for the detection signal detected during the first weft yarn detection period (P1); setting a second threshold (S2, S4) for the detection signal detected during the second weft yarn detection period (P2); and, when the detection signal detected during the first weft yarn detection period (P1) is equal to or greater than the first threshold (S1, S3) and the detection signal detected during the second weft yarn detection period (P2) is smaller than the second threshold (S2, S4), determining that a turning back of the inserted weft yarn (Y) has occurred in which the inserted weft yarn (Y) once reached an end (51) of a woven fabric (50) but turned back toward the woven fabric (50).

IPC 8 full level

D03D 47/30 (2006.01); D03D 51/34 (2006.01)

CPC (source: CN EP)

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