Title (en)

METHOD OF DETECTING PILE-HEIGHT ABNORMALITY IN PILE LOOM AND PILE LOOM INCLUDING DEVICE FOR DETECTING PILE-HEIGHT ABNORMALITY

Title (de)

VERFAHREN ZUR ERKENNUNG DER ABNORMITÄT DER FLORHÖHE IN EINER FROTTIERWEBMASCHINE UND FROTTIERWEBMASCHINE MIT EINER VORRICHTUNG ZUR ERKENNUNG DER ABNORMITÄT DER FLORHÖHE

Title (fr)

PROCÉDÉ DE DÉTECTION D'UNE ANOMALIE DE HAUTEUR DE POILS DANS UN MÉTIER À TISSER DE VELOURS ET MÉTIER À TISSER DE VELOURS COMPRENANT UN DISPOSITIF DE DÉTECTION D'ANOMALIE DE HAUTEUR DE POILS

Publication

EP 3498899 A1 20190619 (EN)

Application

EP 18210260 A 20181204

Priority

JP 2017238054 A 20171212

Abstract (en)

A pile loom including a pile tension roller (5) supported displaceably with respect to a loom frame and a position detecting device that detects the front-rear-direction position of the pile tension roller performs tension control of a pile warp to adjust a let-off speed of a pile warp beam (2) based on a detection result of the position detecting device to cause the position of the pile tension roller to be within an allowable range to thereby cause the tension of the pile warp to be within a desired range. An abnormality determination position for determining an occurrence of a pile-height abnormality, in which pile slip-off successively occurs in pile fabrics during weaving, is previously determined. When the pile-height abnormality is detected based on the pile tension roller arriving at the abnormality determination position during operation of the loom, an abnormality signal is generated.

IPC 8 full level

D03D 39/22 (2006.01); **D03D 49/10** (2006.01)

CPC (source: EP)

D03D 39/22 (2013.01); **D03D 49/10** (2013.01)

Citation (applicant)
- JP S575945 A 19820112 - TSUDAKOMA IND CO LTD
- JP S63275751 A 19881114 - TSUDAKOMA IND CO LTD

Citation (search report)
- [X] JP S63145450 A 19880617 - YOSHIKAWA MASAYASU
- [I] DE 4325038 A1 19940224 - REGATRON AG STEINACH [CH], et al

Designated contracting state (EPC)

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)

EP 3498899 A1 20190619; **EP 3498899 B1 20211110**; CN 109914013 A 20190621; CN 109914013 B 20220415; JP 2019105001 A 20190627; JP 7063594 B2 20220509

DOCDB simple family (application)

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