

Title (en)

START RESTRICTION METHOD AND DEVICE OF PILE LOOM

Title (de)

VERFAHREN UND VORRICHTUNG ZUR STARTBESCHRÄNKUNG EINER FROTTIERWEBMASCHINE

Title (fr)

DISPOSITIF ET PROCÉDÉ DE RESTRICTION DE DÉMARRAGE D'UN MÉTIER À TISSER DE VELOURS

Publication

EP 3686332 B1 20220330 (EN)

Application

EP 19219758 A 20191227

Priority

JP 2019008211 A 20190122

Abstract (en)

[origin: EP3686332A1] A start restriction method of a pile loom (1) from which an operator removes a defective yarn when a weft-insertion failure occurs includes previously storing a start reverse-rotation number set so that a same numerical value as a pile step is assigned to a loose pick and a first fast pick included in pile picks, and 1 is assigned to second and later fast picks; when a weft-insertion failure occurs, reading from the start reverse-rotation number and storing as a current value, a numerical value corresponding to the pile pick with the failure; updating the current value by adding 1 (subtracting 1) every time when a rotational angle of a main shaft (24) passes 0° by forward (reverse) rotation of the main shaft through a subsequent motion of the loom; and inhibiting start of the loom by an operation on an operation button (26) until the current value becomes 0.

IPC 8 full level

D03D 39/22 (2006.01); **D03D 51/08** (2006.01)

CPC (source: CN EP)

D03D 39/223 (2013.01 - EP); **D03D 51/00** (2013.01 - CN); **D03D 51/085** (2013.01 - EP); **D03D 51/44** (2013.01 - CN)

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

DOCDB simple family (publication)

EP 3686332 A1 20200729; **EP 3686332 B1 20220330**; CN 111455528 A 20200728; CN 111455528 B 20221213; JP 2020117823 A 20200806; JP 7159063 B2 20221024

DOCDB simple family (application)

EP 19219758 A 20191227; CN 201911374422 A 20191227; JP 2019008211 A 20190122