

Title (en)

SYNCHRONOUS CONTROL METHOD FOR LOOM AND THE LOOM

Title (de)

SYNCHRONES STEUERUNGSVERFAHREN FÜR EINE WEBMASCHINE SOWIE WEBMASCHINE

Title (fr)

PROCÉDÉ DE COMMANDE SYNCHRONE POUR MÉTIER À TISSER ET MÉTIER À TISSER

Publication

EP 3608458 A1 20200212 (EN)

Application

EP 19188246 A 20190725

Priority

JP 2018149988 A 20180809

Abstract (en)

In a loom including a shedding device (2) that includes a shedding motor (23) independent from a main shaft motor (13) of the loom as a driving source and that displaces each of healds in an up-down direction as a single drive shaft (22) that is common to all of the healds is driven by the shedding motor (23), a rotation amount of the drive shaft (22) in each weaving cycle is detected at least when the loom is performing a normal operation, and driving of the main shaft motor (13) is controlled so that a main shaft (12) of the loom is rotated so as to be synchronized with the drive shaft (22) in accordance with a detection signal indicating the detected rotation amount.

IPC 8 full level

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CPC (source: CN EP)

D03C 1/146 (2013.01 - EP); **D03C 3/32** (2013.01 - EP); **D03C 13/02** (2013.01 - EP); **D03D 51/00** (2013.01 - CN)

Citation (applicant)

JP H03249233 A 19911107 - MURATA MACHINERY LTD

Citation (search report)

- [X] EP 0893525 A1 19990127 - RUETI AG MASCHF [CH]
- [A] EP 2118350 A1 20091118 - PICANOL NV [BE]
- [A] CN 103306000 A 20130918 - SUZHOU KINWAY TECHNOLOGIES INC
- [A] CN 102978774 A 20130320 - WANG YONG

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 3608458 A1 20200212; **EP 3608458 B1 20220727**; CN 110820139 A 20200221; CN 110820139 B 20230221; JP 2020026581 A 20200220; JP 7158952 B2 20221024

DOCDB simple family (application)

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