

Title (en)

AIR-JET LOOM, COMPRISING SUB-NOZZLE AIR DIRECTION ADJUSTMENT DEVICE

Title (de)

LUFTDÜSENWEBMASCHINE MIT EINER UNTERDÜSENLUFTRICHTUNGSEINSTELLVORRICHTUNG

Title (fr)

MÉTIER À TISSER À JET D'AIR AVEC DISPOSITIF DE RÉGLAGE DE DIRECTION DE SOUS-BUSE

Publication

**EP 3910098 A1 20211117 (EN)**

Application

**EP 21168013 A 20210413**

Priority

JP 2020083975 A 20200512

Abstract (en)

A sub-nozzle air direction adjustment device (40) of an air jet loom includes a pressure sensor (43), a calculation unit (51), and a display unit (52). The pressure sensor (43) measures an air pressure from the sub-nozzle (15) at a measurement point group (P1) including at least three measurement points. The calculation unit (51) calculates a maximum air pressure position (Pc) where the air pressure of the air discharged from the sub-nozzle (15) becomes maximum based on measured values at the measurement point group (P1) measured by the pressure sensor (43). The display unit (52) displays the maximum air pressure position (Pc) and a target position (Pt), a movement path (Tp) of the maximum air pressure position (Pc) obtained by rotating the sub-nozzle (15) in a circumferential direction (S12) with an axis of the sub-nozzle (15) at a center, and a movement path (Tt) of the target position (Pt).

IPC 8 full level

**D03D 47/30** (2006.01)

CPC (source: CN EP)

**D03D 47/30** (2013.01 - CN); **D03D 47/302** (2013.01 - EP); **D03D 47/304** (2013.01 - EP); **D03D 47/3093** (2013.01 - CN)

Citation (applicant)

JP H09176937 B

Citation (search report)

- [A] JP 6544801 B2 20190717
- [A] CN 110553824 A 20191210 - CHANGZHOU JIETE TEXTILE EQUIPMENT CO LTD

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 3910098 A1 20211117**; CN 113652791 A 20211116; CN 113652791 B 20230314; JP 2021179033 A 20211118; JP 7298537 B2 20230627

DOCDB simple family (application)

**EP 21168013 A 20210413**; CN 202110505246 A 20210510; JP 2020083975 A 20200512