Title (en)

Method and apparatus for adjusting ejection angle position of sub-nozzle in an air jet loom

Title (de)

Verfahren und Vorrichtung zur Einstellung der Ausstoßwinkelposition einer Hilfsdüse in einer Luftdüsenwebmaschine

Title (fr)

Procédé et appareil pour le réglage de position angulaire d'éjection de sous-buse dans un métier à tisser à jet d'air

Publication

EP 2514861 A3 20160921 (EN)

Application

EP 12001282 A 20120227

Priority

JP 2011093893 A 20110420

Abstract (en)

[origin: EP2514861A2] A method for adjusting an ejection angle position of a sub-nozzle (22) in an air jet loom is provided. The air jet loom includes a plurality of sub-nozzles (22) arranged along a weft insertion path and a plurality of electromagnetic on-off valves (36) provided to supply compressed air to the sub-nozzles (22), each electromagnetic on-off valve (36) being connected to one or more of the sub-nozzles (22), the sub-nozzles (22) connected to each electromagnetic on-off valve (36) ejecting the air to perform weft insertion. The method includes the steps of driving one or more sub-nozzles (22) that belong to an adjustment unit with at least one actuator (51, 74), the adjustment unit including at least one of the one or more sub-nozzles (22) connected to at least one of the electromagnetic on-off valves (36), and adjusting an ejection angle position of each sub-nozzle (22) included in the adjustment unit by the same angle.

IPC 8 full level

D03D 47/30 (2006.01)

CPC (source: EP)

D03D 47/302 (2013.01); **D03D 47/304** (2013.01)

Citation (search report)

- [XI] JP H0226958 A 19900129 - NISSAN MOTOR
- [A] GB 2060720 A 19810507 - RUETI TE STRAKE BV
- [A] JP S5390663 U 19780725
- [A] JP H06257034 A 19940913 - TOYOTA CENTRAL RES & DEV, et al

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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 2514861 A2 20121024; **EP 2514861 A3 20160921**; CN 102747512 A 20121024; CN 102747512 B 20160120; JP 2012224959 A 20121115

DOCDB simple family (application)

EP 12001282 A 20120227; CN 201210042213 A 20120222; JP 2011093893 A 20110420