

Title (en)

A METHOD AND APPARATUS FOR CONTROLLING A JET LOOM

Title (de)

VERFAHREN UND VORRICHTUNG ZUR STEUERUNG EINER DÜSENWEBMASCHINE

Title (fr)

PROCÉDÉ ET APPAREIL DE COMMANDE D'UN MÉTIER À TISSER À JET

Publication

**EP 2643509 B1 20160511 (EN)**

Application

**EP 11791418 A 20111124**

Priority

- CH 19872010 A 20101125
- CH 2011000284 W 20111124

Abstract (en)

[origin: WO2012068697A2] A method for controlling a jet loom (1) is proposed. The jet loom (1) contains a plurality of relay nozzles (33) arranged along a fluid feed conduit (8). A weft yarn (93) is introduced into the fluid feed conduit (8), the relay nozzles (33) are actuated so as to eject time-staggered fluid pulses which produce a fluid flow in the fluid feed conduit (8), and the weft yarn (93) is conveyed by the fluid flow through the fluid feed conduit (8). The relay nozzles (33) are actuated based on a local distribution of characteristics within the respectively conveyed weft yarn section (93). Thus, the energy and air consumption of the jet loom (1) are reduced and the productivity of the jet loom (1) is increased

IPC 8 full level

**D03D 47/30** (2006.01); **D03D 47/34** (2006.01); **D03D 47/36** (2006.01)

CPC (source: EP)

**D03D 47/304** (2013.01); **D03D 47/36** (2013.01)

Cited by

CN111793879A

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)

**WO 2012068697 A2 20120531**; **WO 2012068697 A3 20130530**; BR 112013013114 A2 20160816; CN 103261501 A 20130821; CN 103261501 B 20151125; EP 2643509 A2 20131002; EP 2643509 B1 20160511; JP 2014500914 A 20140116; JP 5901030 B2 20160406

DOCDB simple family (application)

**CH 2011000284 W 20111124**; BR 112013013114 A 20111124; CN 201180057049 A 20111124; EP 11791418 A 20111124; JP 2013540198 A 20111124