

Title (en)
AIR JET LOOM

Title (de)
LUFTDÜSENWEBMASCHINE

Title (fr)
MÉTIER À TISSER À JET D'AIR

Publication
EP 3819413 B1 20220601 (EN)

Application
EP 20202485 A 20201019

Priority
JP 2019200622 A 20191105

Abstract (en)
[origin: EP3819413A1] A control device of an air jet loom of that injects compressed air through a nozzle (140, 141, 142, 160) in accordance with opening or closing of an electromagnetic valve (145, 146, 163) includes a control unit (110) configured to supply to the electromagnetic valve (146) an overexcitation voltage that determines a rise characteristic of an injection pressure of the nozzle (142) while the electromagnetic valve (146) is opening and the injection pressure of the nozzle (142) rising, and to supply to the electromagnetic valve (146) a holding voltage for keeping the electromagnetic valve (146) open after the rising of the electromagnetic valve (146) is completed; and a pressure detection unit (148) configured to detect a pressure of the compressed air that has passed through the electromagnetic valve (146). The control unit (110) adjusts the overexcitation voltage based on a detection results by the pressure detection unit (148).

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D03D 47/30 (2006.01)

CPC (source: CN EP)
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