

Title (en)
Air jet loom

Title (de)
Luftdüsenwebmaschine

Title (fr)
Métier à tisser à jet d'air

Publication
EP 1835056 A2 20070919 (EN)

Application
EP 07001907 A 20070129

Priority
JP 2006067498 A 20060313

Abstract (en)
An air jet loom (10, 110) includes a weft insertion nozzle (18, 118) for inserting a weft thread (14, 114) through a shed by means of an airflow; a first supply channel (28, 128) for supplying the weft insertion nozzle with first compressed air for weft insertion; and a second supply channel (30, 130) for supplying the weft insertion nozzle with second compressed air used for threading the weft thread through the weft insertion nozzle and having a pressure different from that of the first compressed air. The second supply channel has an on-off valve (44, 144) for opening and closing the second supply channel. The on-off valve is opened in response to a control signal (S4) from a manual operating device (64). The manual operating device includes an operating switch (66) for outputting the control signal and a setting unit (70) for adjustably setting a time period in which the on-off valve is opened. When the operating switch is operated, the control signal is output to the on-off valve for the time period set by the setting unit.

IPC 8 full level
D03D 47/30 (2006.01)

CPC (source: EP)
D03D 47/3053 (2013.01)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1835056 A2 20070919; EP 1835056 A3 20090513; CN 101037823 A 20070919; CN 101037823 B 20110126; JP 2007239163 A 20070920

DOCDB simple family (application)
EP 07001907 A 20070129; CN 200710006306 A 20070201; JP 2006067498 A 20060313