

Title (en)
Air jet loom

Title (de)
Luftdüsenwebmaschine

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

Publication
EP 1835057 A2 20070919 (EN)

Application
EP 07004284 A 20070301

Priority
JP 2006067499 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 having a pressure different from that of the first compressed air. The second supply channel has an on-off valve (42,142) which is opened substantially when the weft thread passed through the weft insertion nozzle is cut by a thread cutter (54). Apart from the above opening operation of the on-off valve, an opening operation is performed on the on-off valve such as to thread the weft thread through the weft insertion nozzle.

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