

Title (en)
AIR-JET LOOM

Title (de)
LUFTDÜSENWEBMASCHINE

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

Publication
EP 3653770 B1 20210602 (EN)

Application
EP 19205285 A 20191025

Priority
JP 2018216336 A 20181119

Abstract (en)
[origin: EP3653770A1] An air-jet loom (100) includes a main nozzle (15) that injects a weft yarn into a weft insertion passage (21), a plurality of sub-nozzles (14) that is arranged along the weft insertion passage (21) and from which air is jetted, and an air tank (40) that is connected to the plurality of the sub-nozzles (14) and reserving air therein. The plurality of the sub-nozzles (14) includes a first sub-nozzle (14a) from which air is jetted into a high air-pressure zone (H) of the weft insertion passage (21), and a second sub-nozzle (14b) from which air is jetted into a low air-pressure zone (L) of the weft insertion passage (21). A flow resistance in a first air passage (16a) between the first sub-nozzle (14a) and the air tank (40) is lower than a flow resistance in a second air passage (16b) between the second sub-nozzle (14b) and the air tank (40).

IPC 8 full level
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