

Title (en)

WEFT INSERTION DEVICE OF AIR JET LOOM

Title (de)

SCHUSSFADENEINTRAGSVORRICHTUNG EINER LUFTDÜSENWEBMASCHINE

Title (fr)

DISPOSITIF D'INSERTION DE TRAME D'UN MÉTIER À TISSER À JET D'AIR

Publication

EP 3964613 B1 20231206 (EN)

Application

EP 21192725 A 20210824

Priority

JP 2020149913 A 20200907

Abstract (en)

[origin: EP3964613A1] A weft insertion device (10) of an air jet loom (100) include a first air tank (115) configured to store air, a weft insertion nozzle (13) configured to inject a weft yarn by discharging air supplied from the first air tank (115), a second air tank (50, 52, 53) connected to the first air tank (115) through a pipe (114) and configured to store the air supplied from the first air tank (115), and an air valve (22, 32) directly connected to the weft insertion nozzle (13) and the second air tank (50, 52, 53), and controllable to supply air from the second air tank (50, 52, 53) to the weft insertion nozzle (13) and to stop supplying the air from the second air tank (50, 52, 53) to the weft insertion nozzle (13).

IPC 8 full level

D03D 47/30 (2006.01)

CPC (source: CN EP)

D03D 47/3033 (2013.01 - CN); **D03D 47/3053** (2013.01 - EP)

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DOCDB simple family (publication)

EP 3964613 A1 20220309; **EP 3964613 B1 20231206**; CN 114150421 A 20220308; CN 114150421 B 20231215; JP 2022044336 A 20220317; JP 7388322 B2 20231129

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EP 21192725 A 20210824; CN 202111026264 A 20210902; JP 2020149913 A 20200907