

Title (en)

WEFT INSERTION APPARATUS OF AIR JET LOOM

Title (de)

SCHUSSFADENEINTRAGSVORRICHTUNG EINER LUFTDÜSENWEBMASCHINE

Title (fr)

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

Publication

**EP 4036292 B1 20240117 (EN)**

Application

**EP 21216249 A 20211221**

Priority

JP 2021012705 A 20210129

Abstract (en)

[origin: EP4036292A1] A weft insertion apparatus (100) of an air jet loom includes a first tank (144M) storing compressed air, an electropneumatic regulator (143) regulating a pressure of the compressed air supplied from an air compressor (10) to supply the compressed air having the regulated pressure to the first tank (144M), a nozzle (141, 142) configured to inject the compressed air, a valve (145, 146) connected to the first tank (144M) through a first connecting portion (P144) and supplying the compressed air stored in the first tank (144M) to the nozzle (141, 142), and a second tank (144S) connected to the first tank (144M) through a second connecting portion (P143S, P143Sa, P143Sb, H143MS) that is provided independently from the first connecting portion (P144).

IPC 8 full level

**D03D 47/30** (2006.01)

CPC (source: CN EP)

**D03D 47/3033** (2013.01 - CN EP); **D03D 47/3053** (2013.01 - EP); **D03D 47/3066** (2013.01 - CN)

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 4036292 A1 20220803**; **EP 4036292 B1 20240117**; CN 114808244 A 20220729; CN 114808244 B 20240315; JP 2022116513 A 20220810; JP 7489003 B2 20240523

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**EP 21216249 A 20211221**; CN 202210054006 A 20220118; JP 2021012705 A 20210129