

Title (en)

AIR JET LOOM WITH WEFT YARN TENSIONING DEVICE

Title (de)

LUFTDÜSENWEBMASCHINE MIT SCHUSSFADENSPIANNVORRICHTUNG

Title (fr)

MÉTIER À TISSER À JET D'AIR AVEC DISPOSITIF DE TENSION DE FIL DE TRAME

Publication

EP 4261332 A1 20231018 (EN)

Application

EP 23164004 A 20230324

Priority

JP 2022066306 A 20220413

Abstract (en)

A weft yarn tensioning device (40) for an air jet loom (10) includes: a passage forming member (41); an air discharge portion (42); and a shielding member (46) covering a dent gap (S) formed between dents (15) adjacent to each other in a weft insertion direction (X), from a rear surface side of dents (15). In a front view of the air jet loom (10), the shielding member (46) covers at least a part of the dent gap (S) in which a warp yarn (52) is not inserted among dent gaps (S) existing from a downstream side of a weft yarn detection device (20) in the weft insertion direction (X) and from an upstream side of a yarn inlet (44a) of a weft yarn travel passage (44) in the weft insertion direction (X) to the yarn inlet (44a), from the rear surface side of the dents (15).

IPC 8 full level

D03D 47/30 (2006.01)

CPC (source: CN EP)

D03D 47/30 (2013.01 - CN); **D03D 47/3026** (2013.01 - CN); **D03D 47/3033** (2013.01 - CN); **D03D 47/3053** (2013.01 - CN); **D03D 47/306** (2013.01 - CN); **D03D 47/308** (2013.01 - EP); **D03D 49/60** (2013.01 - CN)

Citation (applicant)

JP 2022014545 A 20220120 - TOYOTA IND CORP

Citation (search report)

- [A] EP 1722019 B1 20120801 - TOYOTA JIDOSHOKKI KK [JP]
- [AD] JP 2022014545 A 20220120 - TOYOTA IND CORP
- [A] US 3880198 A 19750429 - VERMEULEN GEERT JAN
- [A] EP 3382076 B1 20200624 - TOYOTA JIDOSHOKKI KK [JP]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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