

Title (en)
MAIN NOZZLE FOR AIR JET LOOM

Title (de)
HAUPTDÜSE FÜR LUFTDÜSENWEBMASCHINE

Title (fr)
BUSE PRINCIPALE POUR MÉTIER À TISSER À JET D'AIR

Publication
EP 3342910 A1 20180704 (EN)

Application
EP 17204394 A 20171129

Priority
JP 2016254081 A 20161227

Abstract (en)
A main nozzle (11) for an air jet loom includes a nozzle body (12), a yarn inlet pipe (13) mounted to the nozzle body (12), a first holder (14), a yarn accelerator pipe (15) supported by the nozzle body (12) through the first holder (14), a brush (16) between the yarn inlet pipe (13) and the first holder (14), and a second holder (17) cooperating with the first holder (14) to hold the brush (16). The first holder (14) is at least partly accommodated in the nozzle body (12). The second holder (17) has on its upstream side a passage forming portion (19) cooperating with the yarn inlet pipe (13) to form a compressed air passage (19a) between an outer peripheral surface (13c) of a distal end (13b) of the yarn inlet pipe (13) and the passage forming portion (19). The first holder (14) and the second holder (17) are individually fixed to the nozzle body (12) to hold the brush (16) between an upstream end (14c) of the first holder (14) and a downstream end (17b) of the second holder (17).

IPC 8 full level
D03D 47/30 (2006.01)

CPC (source: CN EP)
D03D 47/3013 (2013.01 - CN EP); **D03D 47/365** (2013.01 - CN)

Citation (applicant)
JP 2014177725 A 20140925 - TOYOTA IND CORP

Citation (search report)
• [IA] EP 2778268 A1 20140917 - TOYOTA JIDOSHOKKI KK [JP] & JP 2014177725 A 20140925 - TOYOTA IND CORP
• [A] EP 3023525 A1 20160525 - TOYOTA JIDOSHOKKI KK [JP]

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