

Title (en)
Main nozzle of an air jet loom

Title (de)
Hauptdüse einer Luftdüsenwebmaschine

Title (fr)
Buse principale d'un métier à tisser à jet d'air

Publication
EP 2778268 A1 20140917 (EN)

Application
EP 14150725 A 20140110

Priority
JP 2013052676 A 20130315

Abstract (en)
A main nozzle (1) for an air jet loom includes a yarn inlet pipe (3) into which a weft yarn (Y) is introduced, a passage forming pipe (4) cooperating with a downstream end of the yarn inlet pipe (3) to form therebetween an air passage (33), a yarn accelerator pipe (5) disposed downstream of the passage forming pipe (4), and a nozzle body (2) to which the yarn inlet pipe (3), the passage forming pipe (4) and the yarn accelerator pipe (5) are mounted. A brush (22) as a weft yarn catcher is disposed between the yarn inlet pipe (3) and the yarn accelerator pipe (5).

IPC 8 full level
D03D 47/30 (2006.01)

CPC (source: EP)
D03D 47/3013 (2013.01)

Citation (applicant)
JP 2007177341 A 20070712 - TSUDAKOMA IND CO LTD

Citation (search report)
• [XY] EP 2226416 A1 20100908 - PROMATECH SPA [IT]
• [Y] EP 2014808 A2 20090114 - TSUDAKOMA IND CO LTD [JP], et al
• [YD] JP 2007177341 A 20070712 - TSUDAKOMA IND CO LTD

Cited by
EP3342910A1; EP3023525A1; CN105603618A

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 MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2778268 A1 20140917; EP 2778268 B1 20180718; BR 102014005455 A2 20141021; CN 104047095 A 20140917;
CN 104047095 B 20170412; JP 2014177725 A 20140925; JP 6024536 B2 20161116

DOCDB simple family (application)
EP 14150725 A 20140110; BR 102014005455 A 20140310; CN 201410094243 A 20140314; JP 2013052676 A 20130315