

Title (en)
AIR JET LOOM

Title (de)
LUFTDÜSENWEBMASCHINE

Title (fr)
METIER A TISSER A JET D'AIR

Publication
EP 3168346 A1 20170517 (EN)

Application
EP 16188332 A 20160912

Priority
JP 2015220141 A 20151110

Abstract (en)
An air jet loom (1) includes a support structure including a support stay (40) provided so as to extend in a front-rear direction of the loom (1), one end of the support stay (40) in the front-rear direction being attached to a beam member (13) fixed in the loom (1) and the other end of the support stay (40) in the front-rear direction supporting electromagnetic on-off valves (31). In the air jet loom (1), the electromagnetic on-off valves (31) are supported by the support structure so that, when viewed in the width direction, connecting portions (36a) of supply-side tube joints (36) that are connected to the fluid supply tubes (37), the supply-side tube joints (36) being near the electromagnetic on-off valves (31), are at least partially located within a swing range (T) in which a line segment (Ta) swings, the line segment (Ta) connecting a center of a rocking shaft (21) to a center of an introduction end (38a) of each sub-nozzle (SN) when viewed in a width direction of the loom (1).

IPC 8 full level
D03D 47/30 (2006.01)

CPC (source: CN EP)
D03D 47/30 (2013.01 - CN); **D03D 47/304** (2013.01 - CN); **D03D 47/3053** (2013.01 - EP)

Citation (applicant)
JP 2003239160 A 20030827 - TOYOTA IND CORP

Citation (search report)

- [AD] JP 2003239160 A 20030827 - TOYOTA IND CORP
- [A] JP 2004244738 A 20040902 - TOYOTA IND CORP
- [A] WO 9934047 A2 19990708 - VUTS LIBEREC AS [CZ], et al
- [A] JP S62132188 U 19870820
- [A] JP S5856083 U 19830415

Cited by
CN110055661A

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 3168346 A1 20170517; **EP 3168346 B1 20181031**; CN 106676724 A 20170517; CN 206143394 U 20170503; JP 2017089051 A 20170525; JP 6523140 B2 20190529

DOCDB simple family (application)
EP 16188332 A 20160912; CN 201610971514 A 20161031; CN 201621195262 U 20161031; JP 2015220141 A 20151110