

Title (en)
Auxiliary nozzle of air jet loom

Title (de)
Hilfsdüse einer Luftdüsen-Webmaschine

Title (fr)
Buse auxiliaire de métier à tisser à jet d'air

Publication
EP 2610378 A1 20130703 (EN)

Application
EP 12194622 A 20121128

Priority
JP 2011287050 A 20111228

Abstract (en)
A auxiliary nozzle of an air jet loom includes a nozzle hole formed through a front wall of the auxiliary nozzle and having an inner opening opening to inside of the auxiliary nozzle and an outer opening opening to outside of the auxiliary nozzle. An axis extending in longitudinal direction of the auxiliary nozzle through axial center of the auxiliary nozzle is defined as center axis. An axis intersecting with the center axis and extending in a direction perpendicular to the front wall is defined as weft insertion axis. An axis extending through center of the inner opening and center of the outer opening is defined as nozzle hole axis. The nozzle hole axis is angularly spaced horizontally from the weft insertion axis. Weft insertion is accomplished by compressed air injected from the nozzle hole. The center of the inner opening is positioned on the weft insertion axis.

IPC 8 full level
D03D 47/30 (2006.01)

CPC (source: EP)
D03D 47/302 (2013.01); **D03D 47/3053** (2013.01)

Citation (applicant)
JP H0860492 A 19960305 - TOYODA AUTOMATIC LOOM WORKS

Citation (search report)

- [XY] CH 688284 A5 19970715 - ANTONIO BORTOLAMAI [CH]
- [YDA] JP H0860492 A 19960305 - TOYODA AUTOMATIC LOOM WORKS
- [A] EP 0516587 A1 19921202 - TOYODA AUTOMATIC LOOM WORKS [JP]

Cited by
EP3739094A1; CN111926445A; EP3640382A1; CN111058159A

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)
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DOCDB simple family (application)
EP 12194622 A 20121128; CN 201210572778 A 20121225; JP 2011287050 A 20111228