

Title (en)  
SUB-NOZZLE FOR AIR JET LOOM

Title (de)  
HILFSDÜSE FÜR LUFTDÜSENWEBMASCHINE

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

Publication  
**EP 3739094 A1 20201118 (EN)**

Application  
**EP 20171702 A 20200428**

Priority  
JP 2019090342 A 20190513

Abstract (en)  
A sub-nozzle (2) for an air jet loom is provided, the sub-nozzle having a hollow tubular shape having a closed distal end, the sub-nozzle having a distal end portion (13) having an ejection hole (10). In a view in a direction of a center line (26) of the ejection hole, when X is determined as a position that is a position on an outer peripheral edge of the sub-nozzle and that is at a closest distance from a center of the ejection hole, and Y is determined as a position at which a line connecting the center of the ejection hole and the position X intersects with a peripheral edge of the ejection hole, the ejection hole is formed such that a distance between the position X and the position Y is 0.75 mm or less in the view in the direction of the center line.

IPC 8 full level  
**D03D 47/30** (2006.01)

CPC (source: CN EP)  
**D03D 47/302** (2013.01 - CN EP)

Citation (applicant)  
JP S61159386 U 19861002

Citation (search report)

- [XY] WO 9411553 A1 19940526 - NIPPON TUNGSTEN [JP], et al
- [Y] EP 2610378 A1 20130703 - TOYOTA JIDOSHOKKI KK [JP]
- [A] EP 0707101 A2 19960417 - BORTOLAMAI ANTONIO [CH]

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 3739094 A1 20201118**; CN 111926445 A 20201113; CN 111926445 B 20230606; JP 2020186485 A 20201119; JP 7364356 B2 20231018

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**EP 20171702 A 20200428**; CN 202010366875 A 20200430; JP 2019090342 A 20190513