

Title (en)
NOZZLE BLOCK, PNEUMATIC SPINNING DEVICE, AND SPINNING MACHINE

Title (de)
DÜSENBLOCK, DRUCKLUFTSPINNVORRICHTUNG UND SPINNMASCHINE

Title (fr)
BLOC DE BUSES, FILEUSE PNEUMATIQUE ET MÉTIER À FILER

Publication
EP 3115485 A1 20170111 (EN)

Application
EP 16172580 A 20160602

Priority
JP 2015134968 A 20150706

Abstract (en)
In a nozzle block (60), a first space (64), a second space (66), and a third space (67) are aligned from a first side toward a second side in a predetermined direction. The second space (66) is spread at a second inner surface tapered angle from the first side toward the second side. The third space (67) is spread at a third inner surface tapered angle greater than the second inner surface tapered angle from the first side toward the second side. A height (H1) of the first space (64) is a value greater than or equal to 3 mm and smaller than or equal to 8 mm. A height (H2) of the second space (66) is a value greater than or equal to 30% and smaller than or equal to 50% of a sum of the height (H2) and a height (H3) of the third space (67).

IPC 8 full level
D01H 1/115 (2006.01)

CPC (source: CN EP)
D01H 1/115 (2013.01 - CN EP); **D01H 4/02** (2013.01 - CN)

Citation (applicant)
• JP 2009001935 A 20090108 - MURATA MACHINERY LTD
• JP 2003193339 A 20030709 - MURATA MACHINERY LTD

Citation (search report)
• [XYI] JP 2003193337 A 20030709 - MURATA MACHINERY LTD
• [IY] EP 2453044 A2 20120516 - MURATA MACHINERY LTD [JP]
• [I] CN 101294319 A 20081029 - UNIV DONGHUA [CN]
• [Y] US 2012192541 A1 20120802 - ARTZT PETER [DE], et al

Cited by
EP3744880A1; EP4043625A1; DE102019114500A1; CN112011858A

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

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EP 3115485 A1 20170111; **EP 3115485 B1 20190807**; CN 106400215 A 20170215; CN 106400215 B 20200512; EP 3470559 A1 20190417; EP 3470559 B1 20200415; JP 2017014672 A 20170119

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