

Title (en)
SPINNING NOZZLE OF AN AIR VORTEX SPINNING MACHINE AND METHOD OF OPENING SAME

Title (de)
SPINNDÜSE EINER LUFTSPINNMASCHINE SOWIE VERFAHREN ZUM ÖFFNEN DERSELBEN

Title (fr)
BUSE D'UN METIER A FILER A JET D'AIR ET SON PROCEDE D'OUVERTURE

Publication
EP 3048191 B1 20190605 (DE)

Application
EP 16151063 A 20160113

Priority
DE 102015100825 A 20150121

Abstract (en)
[origin: JP2016132855A] PROBLEM TO BE SOLVED: To provide a rotary nozzle that can be opened for cleaning without requiring excessive space.SOLUTION: The rotary nozzle of an air-jet spinning machine is used to manufacture a yarn from twisted fibers by air flow. The rotary nozzle comprises a swirl space, a yarn forming element 7, an air nozzle and a draw-off channel. A cover of the rotary nozzle has at least two cover segments 11 adjacent to the swirl space on their outer side. At least one of the cover segments 11 is supported by a guide 12 so that the segment can be shifted relatively to the other cover segment 11. The cover can be shifted from a closed position to an open position by the shift of the cover segment 11 supported by the guide 12. At least a position of the segment of the yarn forming element with an inlet opening part can be accessed by an operator and cleaned.SELECTED DRAWING: Figure 5

IPC 8 full level
D01H 1/115 (2006.01)

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

Citation (examination)
EP 3168340 A1 20170517 - MURATA MACHINERY LTD [JP]

Citation (opposition)
Opponent : Saurer Spinning Solutions GmbH & Co. KG
• EP 2573220 A2 20130327 - MURATA MACHINERY LTD [JP]
• EP 3168340 A1 20170517 - MURATA MACHINERY LTD [JP]
• DE 4308392 A1 19930923 - MURATA MACHINERY LTD [JP]
• DE 19501545 A1 19950727 - MURATA MACHINERY LTD [JP]
• EP 2752512 A1 20140709 - MURATA MACHINERY LTD [JP]
• DE 4020049 A1 19920102 - SCHLAFHORST & CO W [DE]

Cited by
EP3835467A1; WO2021116083A1; EP3168340A4; CN109891012A; EP4015681A1; US11834759B2; WO2018087054A1

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DE 102015100825 A1 20160721; JP 2016132855 A 20160725

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EP 16151063 A 20160113; CN 201610029290 A 20160115; DE 102015100825 A 20150121; JP 2016007120 A 20160118