

Title (en)

Air spinning device and spinning apparatus including the same

Title (de)

Luftspinnmaschine und Spinnvorrichtung damit

Title (fr)

Machine à filer à jet d'air et appareil à filer l'incluant

Publication

EP 2463414 A3 20150422 (EN)

Application

EP 11192763 A 20111209

Priority

JP 2010277270 A 20101213

Abstract (en)

[origin: EP2463414A2] An air spinning device (6) includes a fiber guide (61), a nozzle block (63), a spindle (62), a nozzle holder (64) that holds the nozzle block (63) while being in a state of abutment against the nozzle block (63), and a nozzle cap (66) that fixes the fiber guide (61) and the nozzle block (63) to the nozzle holder (64). The nozzle cap (66) is attached to the nozzle holder (64) while being in a state of direct abutment against the nozzle holder (64).

IPC 8 full level

D01H 1/115 (2006.01)

CPC (source: EP)

D01H 1/115 (2013.01)

Citation (search report)

- [XAY] EP 1655393 A2 20060510 - MURATA MACHINERY LTD [JP]
- [XAY] JP 2006144136 A 20060608 - MURATA MACHINERY LTD
- [XAY] EP 1748094 A1 20070131 - SAURER GMBH & CO KG [DE]
- [Y] WO 2006063482 A1 20060622 - RIETER AG MASCHF [CH], et al

Cited by

CH709607A1; CN105239224A; CN103014944A; US10533267B2

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 2463414 A2 20120613; EP 2463414 A3 20150422; EP 2463414 B1 20170920; CN 102534880 A 20120704; CN 102534880 B 20160302; CN 105220279 A 20160106; CN 202499945 U 20121024; JP 2012127009 A 20120705

DOCDB simple family (application)

EP 11192763 A 20111209; CN 201110410179 A 20111209; CN 201120513513 U 20111209; CN 201510603031 A 20111209; JP 2010277270 A 20101213