

Title (en)
Spinning machine

Title (de)
Spinnmaschine

Title (fr)
Fileuse

Publication
EP 2302114 A3 20140226 (EN)

Application
EP 10175754 A 20100908

Priority
• JP 2009217023 A 20090918
• JP 2010148330 A 20100629

Abstract (en)
[origin: EP2302114A2] A spinning machine includes a plurality of spinning units, each spinning unit having a pneumatic spinning device which twists a fiber bundle F by air. Each spinning unit includes a compressed air feeding device, a first air pipe, and a cleanser supplying device. The compressed air feeding device feeds compressed air. The first air pipe guides the air fed by the compressed air feeding device. The cleanser supplying device adds cleanser to the air flowing through the first pipe. The cleanser supplying device adds the cleanser at upstream of a branch point where the air flowing through the first air pipe branches off to each of the pneumatic spinning devices.

IPC 8 full level
D01H 1/115 (2006.01); **D01H 4/02** (2006.01)

CPC (source: CN EP)
D01H 1/115 (2013.01 - EP); **D01H 4/02** (2013.01 - CN); **D01H 13/00** (2013.01 - CN); **D01H 13/306** (2013.01 - CN); **D01H 13/32** (2013.01 - CN)

Citation (search report)
• [AD] JP 2008095208 A 20080424 - MURATA MACHINERY LTD
• [A] DE 2733092 A1 19790201 - ZINSER TEXTILMASCHINEN GMBH
• [A] DE 102004044345 A1 20060316 - STAHLLECKER GMBH WILHELM [DE]
• [A] GB 1196051 A 19700624 - RIETER AG MASCHF [CH]
• [A] EP 1655393 A2 20060510 - MURATA MACHINERY LTD [JP]

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JP2014095166A; EP2767625A1; CN103060962A; EP2450478A3; CH707561A1; CH709749A1; CN103014938A; JP2013167045A; EP2573256A3; CH709748A1; EP2949795A3; CN104975381A; EP3388563A1; CN108691046A; US9670601B2; US9663878B2

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 SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
EP 2302114 A2 20110330; EP 2302114 A3 20140226; EP 2302114 B1 20160420; CN 102021688 A 20110420; CN 102021688 B 20161005; CN 104328539 A 20150204; CN 105463635 A 20160406; CN 105463635 B 20180413; CN 105568445 A 20160511; CN 105568445 B 20180501; EP 2865793 A1 20150429; JP 2011084854 A 20110428

DOCDB simple family (application)
EP 10175754 A 20100908; CN 201010281843 A 20100914; CN 201410664073 A 20100914; CN 201610037321 A 20100914; CN 201610037377 A 20100914; EP 14195120 A 20100908; JP 2010148330 A 20100629