

Title (en)  
Spinning unit

Title (de)  
Spinnanlage

Title (fr)  
Unité de filature

Publication  
**EP 2309042 A2 20110413 (EN)**

Application  
**EP 10186883 A 20101007**

Priority  
• JP 2009233786 A 20091007  
• JP 2010056773 A 20100312

Abstract (en)  
A spinning unit 1 includes a draft device 5, a spinning device 6, a tension stabilizing device 8, a winding device 9, and a yarn defect detecting device 7. The draft device 5 drafts a fiber bundle F. The spinning device 6 produce a spun yarn Y from the fiber bundle F drafted by the draft device 5. The tension stabilizing device 8 stabilizes tension of the spun yarn Y produced by the spinning device 6. The winding device 9 winds a package 91 of the spun yarn Y fed from the tension stabilizing device 8. The yarn defect detecting device 7 can detect a yarn defect in the spun yarn Y. The yarn defect detecting device 7 is arranged between the spinning device 6 and the tension stabilizing device 8.

IPC 8 full level  
**D01H 1/14** (2006.01); **D01H 1/115** (2006.01); **D01H 13/14** (2006.01); **D01H 13/22** (2006.01); **D01H 15/00** (2006.01)

CPC (source: EP)  
**D01H 1/115** (2013.01); **D01H 1/14** (2013.01); **D01H 13/14** (2013.01); **D01H 13/22** (2013.01); **D01H 15/002** (2013.01)

Citation (applicant)  
• JP 2000303275 A 20001031 - MURATA MACHINERY LTD  
• JP H11268872 A 19991005 - MURATA MACHINERY LTD  
• JP 2009155757 A 20090716 - MURATA MACHINERY LTD  
• JP 2004169264 A 20040617 - RIETER AG MASCHF

Cited by  
CN104204318A; CN103014961A; EP3378815A1; EP3708700A1; US2022403562A1

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 2309042 A2 20110413**; **EP 2309042 A3 20140514**; **EP 2309042 B1 20160420**; CN 102031604 A 20110427; CN 102031604 B 20140910; JP 2011099192 A 20110519; JP 5526885 B2 20140618

DOCDB simple family (application)  
**EP 10186883 A 20101007**; CN 201010298313 A 20100927; JP 2010056773 A 20100312