

Title (en)  
Spinning machine

Title (de)  
Spinnmaschine

Title (fr)  
Fileuse

Publication  
**EP 2169096 A1 20100331 (EN)**

Application  
**EP 09170145 A 20090914**

Priority  
JP 2008250748 A 20080929

Abstract (en)  
A spinning unit 2 of a spinning machine includes a spinning device 9, a winding device 13, and a yarn slack eliminating device 12. The spinning device 9 produces a spun yarn 10 by applying twists to a fiber bundle 8. The winding device 13 forms a package 45 by winding the spun yarn 10 fed from the spinning device 9. The yarn slack eliminating device 12 is provided between the spinning device 9 and the winding device 13, and temporarily accumulates the spun yarn 10 by winding the spun yarn 10 around an outer periphery of a rotating yarn slack eliminating roller 21. The spinning machine applies tension by the yarn slack eliminating device 12 to the spun yarn 10 fed from the spinning device 9 ( Fig. 1 ).

IPC 8 full level  
**D01H 4/48** (2006.01); **B65H 51/20** (2006.01); **D01H 9/08** (2006.01)

CPC (source: EP)  
**B65H 51/22** (2013.01); **D01H 4/48** (2013.01); **D01H 9/08** (2013.01); **B65H 2701/31** (2013.01)

Citation (applicant)  
JP 2004124333 A 20040422 - MURATA MACHINERY LTD

Citation (search report)  
• [X] EP 1460015 A1 20040922 - MURATA MACHINERY LTD [JP]  
• [A] DE 3415447 A1 19850110 - VYZK USTAV BAVLNARSKY [CS]

Cited by  
EP2298971A1; EP2573232A3; EP2365115A1; CN102191590A; EP2302115A1; EP2468932A1; CN102965777A; EP2565307A3; EP2216432B1; EP2216432B2

Designated contracting state (EPC)  
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

DOCDB simple family (publication)  
**EP 2169096 A1 20100331**; **EP 2169096 B1 20120125**; **EP 2169096 B9 20120411**; AT E542935 T1 20120215; CN 101713112 A 20100526; CN 101713112 B 20120523; JP 2010077576 A 20100408

DOCDB simple family (application)  
**EP 09170145 A 20090914**; AT 09170145 T 20090914; CN 200910168170 A 20090901; JP 2008250748 A 20080929