

Title (en)

Spinning machine and spun yarn producing method

Title (de)

Spinnmaschine und Verfahren zur Herstellung von gesponnenem Garn

Title (fr)

Métier à filer et procédé de production d'un fil tissé

Publication

**EP 2573256 A3 20140312 (EN)**

Application

**EP 12179703 A 20120808**

Priority

JP 2011206505 A 20110921

Abstract (en)

[origin: EP2573256A2] A spinning machine (100) that produces a spun yarn (Y) by spinning fibers using whirling airflow includes an additive supplying device (3) that supplies an additive to air to apply a prescribed function to the spun yarn (Y). The additive supplying device (3) supplies the additive for applying at least one of an antibacterial function, an odor preventing function, an odor eliminating function, and an unwinding function to the spun yarn (Y). A volume of the additive to be supplied to the spun yarn (Y) is set to at least 0.01% and at most 0.2% of a weight of the produced spun yarn (Y) per unit length.

IPC 8 full level

**D06M 16/00** (2006.01); **D01H 1/115** (2006.01)

CPC (source: EP)

**D01H 1/115** (2013.01)

Citation (search report)

- [X] FR 2724947 A1 19960329 - VANHELLE MICHEL EUGENE ALBERT [FR]
- [X] EP 2302114 A2 20110330 - MURATA MACHINERY LTD [JP]
- [XP] EP 2450478 A2 20120509 - MURATA MACHINERY LTD [JP]
- [A] EP 1655393 A2 20060510 - MURATA MACHINERY LTD [JP]
- [A] US 4064684 A 19771227 - NIJHUIS JAN
- [A] DE 4007389 C1 19910516

Cited by

EP3321398A1; CN108060477A; EP2955256A1; CN105297196A; EP2949795A3; 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2573256 A2 20130327; EP 2573256 A3 20140312**; CN 103014938 A 20130403; JP 2013067893 A 20130418

DOCDB simple family (application)

**EP 12179703 A 20120808**; CN 201210208129 A 20120619; JP 2011206505 A 20110921