

Title (en)

Spinning method by using air spinning device and air spinning device

Title (de)

Wickelverfahren durch das Verwenden einer Wickelvorrichtung und Luftwickelvorrichtung

Title (fr)

Procédé de filature au moyen d'une fileuse à air et fileuse à air

Publication

EP 2453044 A3 20150408 (EN)

Application

EP 11188308 A 20111108

Priority

JP 2010252279 A 20101110

Abstract (en)

[origin: EP2453044A2] A spinning method for producing a spun yarn (Y) from a fiber bundle (F) by using an air spinning device (6) is proposed. The air spinning device (6) includes a spinning chamber (SC) in which fibers are swung, a fiber guide (61) in which a fiber introducing passage (61g) communicating with the spinning chamber (SC) is defined, and a spindle (62) in which a fiber passageway (62s) for passage of the fibers swung in the spinning chamber (SC) is defined. In the air spinning device (6) the spindle (62) and the fiber guide (61) are separated by a predetermined distance selected dependent on an average fiber length of the fiber bundle (F).

IPC 8 full level

D01H 1/115 (2006.01); **D01H 4/02** (2006.01)

CPC (source: EP)

D01H 1/115 (2013.01); **D01H 4/02** (2013.01)

Citation (search report)

- [XAI] CH 696848 A5 20071231 - RIETER AG MASCHF [CH]
- [XAYI] WO 0224993 A2 20020328 - RIETER AG MASCHF [CH], et al
- [XY] DE 102008011617 A1 20090903 - INST TEXTIL & FASERFORSCHUNG [DE]
- [Y] DE 10349651 A1 20050519 - STAHLECKER GMBH WILHELM [DE]

Cited by

EP3115485A1; EP3470559A1

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 2453044 A2 20120516; EP 2453044 A3 20150408; EP 2453044 B1 20190710; CN 102560755 A 20120711; CN 102560755 B 20160210; CN 202347164 U 20120725; JP 2012102433 A 20120531; JP 5549551 B2 20140716

DOCDB simple family (application)

EP 11188308 A 20111108; CN 201110329473 A 20111024; CN 201120414073 U 20111024; JP 2010252279 A 20101110