

Title (en)

Quality control method for fiber bundle in spinning machine

Title (de)

Verfahren zur Überwachung der Garnqualität in einer Spinnmaschine

Title (fr)

Méthode pour contrôler la qualité des fils dans un métier à filer

Publication

EP 1574607 A3 20060524 (EN)

Application

EP 05004108 A 20050225

Priority

JP 2004055793 A 20040301

Abstract (en)

[origin: EP1574607A2] A quality control method for a fiber bundle spun in a spinning machine, including the steps of: detecting the spun fiber bundle by installing a quality measurement and processing unit for the fiber bundle in the spinning machine, and storing a data on quality of the fiber bundle obtained from a detection signal; inspecting the quality of the fiber bundle with a standard inspection machine in an inspection room; setting the data on the quality of the fiber bundle in the quality measurement and processing unit at a period of time while the fiber bundle, which is judged to be non-defective by the standard inspection machine, is spun as a reference value for judging the quality of the fiber bundle spun in the spinning machine; and judging the quality of the spun fiber bundle during operation of the spinning machine based on the reference value.

IPC 8 full level

D01H 13/26 (2006.01); **D01H 13/32** (2006.01); **G01N 21/89** (2006.01); **G01N 33/36** (2006.01)

CPC (source: EP)

D01H 13/26 (2013.01); **D01H 13/32** (2013.01)

Citation (search report)

- [A] US 5748481 A 19980505 - NAKADE KAZUHIKO [JP]
- [A] US 5621637 A 19970415 - SPAHLINGER JORG [DE]
- [A] US 5124928 A 19920623 - AEMMER PETER F [CH]
- [A] CH 663427 A5 19871215 - ZELLWEGE USTER AG
- [DA] PATENT ABSTRACTS OF JAPAN vol. 010, no. 321 (C - 382) 31 October 1986 (1986-10-31)

Cited by

CZ304447B6; CN102944562A; EP2169097A1; EP3293595A1; CN107817335A; EP3293295A1; WO2020188452A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1574607 A2 20050914; **EP 1574607 A3 20060524**; **EP 1574607 B1 20101006**; CN 100385052 C 20080430; CN 1664193 A 20050907; DE 602005023922 D1 20101118; JP 2005248333 A 20050915; JP 4049107 B2 20080220

DOCDB simple family (application)

EP 05004108 A 20050225; CN 200510052193 A 20050228; DE 602005023922 T 20050225; JP 2004055793 A 20040301