

Title (en)

Fiber bundle guiding device for a spinning machine

Title (de)

Vorrichtung zur Führung von Faserbündeln für eine Spinnmaschine

Title (fr)

Dispositif de guidage de faisceaux de fibres pour machine à filer

Publication

EP 2009152 A1 20081231 (EN)

Application

EP 08157270 A 20080530

Priority

JP 2007147177 A 20070601

Abstract (en)

A fiber bundle guiding device (30) for a spinning guides a fiber bundle to reduce the width of the fiber bundle. The fiber bundle guiding device includes guide members (31) which have a guide surface (31A) whose width is reduced along the moving direction of the fiber bundle to be guided. The guide members are disposed at an interval corresponding to the spaced distance between at least two adjacent spindles. A connecting member (35,36) connects the guide members and has a rod like shape extending in the direction perpendicular to the guide members. An electronic component (34) is used for vibrating the connecting member longitudinally and arranged at the intermediate portion of the connecting member. A vibrating mechanism (32) vibrates the guide members to generate a sound pressure for reducing the width of the fiber bundle. The vibrating mechanism includes the connecting member (35,36) and the electronic component (34).

IPC 8 full level

D01H 5/72 (2006.01)

CPC (source: EP)

D01H 5/72 (2013.01)

Citation (applicant)

JP 2007009391 A 20070118 - TOYOTA IND CORP

Citation (search report)

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- [A] AT 391896 B 19901210 - FEHRER ERNST [AT]
- [A] JP H01298229 A 19891201 - NIHON METAL GASKET
- [A] US 2001029731 A1 20011018 - THIERRON WOLFGANG [DE]
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Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

EP 2009152 A1 20081231; EP 2009152 B1 20100224; CN 101314876 A 20081203; CN 101314876 B 20110406; DE 602008000689 D1 20100408; JP 2008297677 A 20081211

DOCDB simple family (application)

EP 08157270 A 20080530; CN 200810109833 A 20080529; DE 602008000689 T 20080530; JP 2007147177 A 20070601