

Title (en)

DETECTION DEVICE ON A SPINNING PREPARATION MACHINE AND CARDING BAR SET INTENDED THEREFOR

Title (de)

DETEKTIONSVORRICHTUNG AN EINER SPINNEREIVORBEREITUNGSMASCHINE UND DAFÜR VORGESEHENE DECKELSTABGARNITUR

Title (fr)

DISPOSITIF DE DÉTECTION SUR UNE MACHINE DE PRÉPARATION DE FILAGE ET GARNITURE DE BARRE DE RECOUVREMENT ASSOCIÉE

Publication

**EP 3577260 A1 20191211 (DE)**

Application

**EP 17821807 A 20171201**

Priority

- DE 102017101863 A 20170131
- EP 2017081153 W 20171201

Abstract (en)

[origin: WO2018141436A1] A carding cloth (10) has a backing (12), carding needles (11) passing through this, held in position thereby and projecting on a first side of the backing (12) and an electrically conductive layer (13, 15) arranged on a second side on the backing (12) facing away from the first side such that it is in electrical contact with the needles (11) on the second side of the backing (12). Or the layer (15) is a component of the backing (12), and the needles (11) contact the layer (15) through said backing. The layer (15) can be a textile fabric (15) with electrically conductive threads which are coupled together electrically directly or indirectly via the carding cloth needles (11), which threads can extend longitudinally or transversely to the cloth (10), which has an electrically conductive contact element (20) such that it contacts the layer (13, 15) electrically in such a manner that the contact section is electrically coupled to all the threads. The contact element (20) has a connection section (16) designed to electrically contact an external element (50). A carding bar (10, 20, 30) comprises a cloth holder (30) having a holding section and an electrically conductive cloth connection section (20) forming the external element (50) and the cloth (10) held stationary in the cloth holder (30). A spinning preparation machine has a carding bar (10, 20, 30) of this type, a carding bar holder (70) to hold the carding bar (10, 20, 30) and a carding bar contact section (3) designed to be electrically coupled to the cloth connection section (20) when the carding bar (10, 20, 30) is mounted on the carding bar holder (70).

IPC 8 full level

**D01G 15/86** (2006.01)

CPC (source: EP)

**D01G 15/86** (2013.01)

Citation (search report)

See references of WO 2018141436A1

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)

**DE 102017101863 A1 20180802**; BR 112019015676 A2 20200407; BR 112019015676 A8 20220705; BR 112019015676 B1 20230516; CN 110234803 A 20190913; CN 110234803 B 20220201; EP 3577260 A1 20191211; EP 3577260 B1 20231018; WO 2018141436 A1 20180809

DOCDB simple family (application)

**DE 102017101863 A 20170131**; BR 112019015676 A 20171201; CN 201780085132 A 20171201; EP 17821807 A 20171201; EP 2017081153 W 20171201