

Title (en)

Cleaner for fiber bundle feeder in fore-spinning frame

Title (de)

Reiniger für Faserbündelzuführer in Vorspinnmaschine

Title (fr)

Nettoyeur pour faisceau de fibres dans une structure de préfilage

Publication

**EP 2837717 A1 20150218 (EN)**

Application

**EP 14179626 A 20140804**

Priority

JP 2013167703 A 20130812

Abstract (en)

A cleaner (30) for a fiber bundle feeder (10), which nips and discharges a strip of fiber bundle with a top roller (14, 15, 16, 17) and a bottom roller (11, 12, 13), in a fore-spinning frame includes a support member (31) located above the top roller and a tubular clearer (32) having an inner diameter that is greater than an outer diameter of the support member. The tubular clearer is rotatable around the support member by the top roller such that the tubular clearer is located at a position where the tubular clearer is in contact with the top roller and a position where the tubular clearer is separated from the top roller. The tubular clearer is configured to block a fiber. A suction unit (33) is configured to draw in the fiber that has been blocked by the tubular clearer.

IPC 8 full level

**D01H 5/64** (2006.01)

CPC (source: CN EP KR US)

**D01G 19/08** (2013.01 - CN); **D01G 19/18** (2013.01 - CN); **D01G 19/22** (2013.01 - CN); **D01G 19/28** (2013.01 - CN);  
**D01H 5/64** (2013.01 - EP KR US); **D01H 5/645** (2013.01 - KR); **D01H 11/00** (2013.01 - KR)

Citation (applicant)

- JP H0733981 U 19950623
- JP 2005120561 A 20050512 - TRUETZSCHLER GMBH & CO KG
- JP H02374 U 19900105

Citation (search report)

- [Y] US 3733644 A 19730522 - SANDERS G
- [Y] FR 2032374 A1 19701127 - ELITEX ZAVODY TEXTILNIHO
- [Y] US 2862249 A 19581202 - DUDLEY JOHN S, et al
- [Y] US 3113351 A 19631210 - WERNER NAEGELI
- [Y] US 3196476 A 19650727 - MORROW ALFRED C, et al

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 2837717 A1 20150218**; CN 104372452 A 20150225; JP 2015036456 A 20150223; KR 20150020081 A 20150225;  
TW 201520389 A 20150601; US 2015040355 A1 20150212

DOCDB simple family (application)

**EP 14179626 A 20140804**; CN 201410388362 A 20140808; JP 2013167703 A 20130812; KR 20140101913 A 20140807;  
TW 103126522 A 20140804; US 201414455416 A 20140808