

Title (en)

Device for conveying a rod in the tobacco industry

Title (de)

Vorrichtung zum Fördern eines Stranges der Tabak verarbeitenden Industrie

Title (fr)

Dispositif de transport d'un boudin dans l'industrie du tabac

Publication

**EP 1281329 B1 20060215 (DE)**

Application

**EP 02018347 A 19980723**

Priority

- DE 19733443 A 19970802
- EP 98941405 A 19980723

Abstract (en)

[origin: US6186315B1] The perforated bottom wall of a suction chamber in the tobacco stream gathering and transporting apparatus of a cigarette rod making machine is designed to guide and support a file of discrete apertured inserts which have undersides serving as abutments for the lower reach of an endless foraminous tobacco stream gathering and advancing belt. Portions of the inserts can be inserted into or removed from one or more grooves provided in the bottom wall and extending longitudinally of a channel which is open from below and has a top wall constituted by the lower reach of the belt as well as by the file of inserts. At least a portion of each insert can be made of a strongly wear-resistant material. An advantage of the inserts is that they render it possible to select the rates of air flow through different portions of the lower stretch of the belt, that they can be made to stand pronounced wear in a high-speed rod making machine, and that replacement of one or a few relatively small inserts often suffices to restore the integrity of a damaged transporting apparatus.

IPC 8 full level

**A24C 5/18** (2006.01)

CPC (source: EP US)

**A24C 5/1807** (2013.01 - EP US)

Cited by

CN102984962A; EP1905315A1; DE102006045810B4; US8733128B2; US10087676B2; US10465433B2; WO2011133774A1; US9445627B2; US9988302B2; US10421684B2; US9822580B2; US10858880B2; US8802203B2; US9776910B2; US10196299B2; US11014847B2

Designated contracting state (EPC)

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**US 6186315 B1 20010213**; AT E232050 T1 20030215; AT E317648 T1 20060315; CN 1112859 C 20030702; CN 1265567 A 20000906; DE 19733443 A1 19990204; DE 59807128 D1 20030313; DE 59813382 D1 20060420; EP 0999761 A1 20000517; EP 0999761 B1 20030205; EP 1281329 A2 20030205; EP 1281329 A3 20040324; EP 1281329 B1 20060215; ES 2190099 T3 20030716; ES 2256374 T3 20060716; JP 2001511367 A 20010814; JP 4093718 B2 20080604; PL 187359 B1 20040630; PL 338351 A1 20001023; WO 9905924 A1 19990211

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**US 12775898 A 19980731**; AT 02018347 T 19980723; AT 98941405 T 19980723; CN 98807845 A 19980723; DE 19733443 A 19970802; DE 59807128 T 19980723; DE 59813382 T 19980723; EP 02018347 A 19980723; EP 9804617 W 19980723; EP 98941405 A 19980723; ES 02018347 T 19980723; ES 98941405 T 19980723; JP 2000504754 A 19980723; PL 33835198 A 19980723