

Title (en)

Separate relaxation and spraying of a filter tow strip

Title (de)

Separate Entspannung und Besprühung eines Filtertowstreifens

Title (fr)

Relaxation et atomisation d'une bande de cordons filtrants

Publication

EP 1559333 A3 20070321 (DE)

Application

EP 04031000 A 20041230

Priority

DE 102004004688 A 20040129

Abstract (en)

[origin: EP1559333A2] The process and device prepares filter tow strip (2) for the tobacco processing industry. The strip, during its journey by rollers (26,27) from stock to finishing machine, is stretched in a stretching device (6) and coating material applied in a coating device (47) in an application device (7). The strip is sprayed with a softening agent such as tricetin, then tightened at one side, blasted with air by a nozzle and fed through a funnel. Tension is released from the strip before or after the material has been applied in a separate stretch or zone (8).

IPC 8 full level

A24D 3/02 (2006.01); **A24C 1/34** (2006.01)

CPC (source: EP KR)

A24D 3/0204 (2013.01 - EP); **A24D 3/0212** (2013.01 - EP); **H01H 13/04** (2013.01 - KR); **H01H 13/14** (2013.01 - KR); **H01H 13/26** (2013.01 - KR); **H01H 2231/026** (2013.01 - KR)

Citation (search report)

- [X] US 3095632 A 19630702 - WINSTON SMITH JOHN
- [XDY] DE 19811014 A1 19990916 - HAUNI MASCHINENBAU AG [DE]
- [Y] EP 1325685 A2 20030709 - HAUNI MASCHINENBAU AG [DE]
- [DY] EP 1106087 A2 20010613 - HAUNI MASCHINENBAU AG [DE]
- [DA] EP 0654224 A2 19950524 - HAUNI MASCHINENBAU AG [DE]

Cited by

EP1911362A1; EP2022351A3; EP2022351A2; EP2124032A2; DE102008024373A1; EP1834531B1; EP1834531A1

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

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

EP 1559333 A2 20050803; **EP 1559333 A3 20070321**; CN 100528010 C 20090819; CN 1647707 A 20050803; DE 102004004688 A1 20050825; JP 2005211071 A 20050811; KR 20050077768 A 20050803

DOCDB simple family (application)

EP 04031000 A 20041230; CN 200510006369 A 20050128; DE 102004004688 A 20040129; JP 2005020488 A 20050128; KR 20050007642 A 20050127