

Title (en)

Unit and method for feeding additive elements to fibrous material on a machine for producing smoking articles

Title (de)

Einheit und Verfahren zum Zuführen von Additivelementen an ein Fasermaterial auf einer Maschine zur Herstellung von Rauchartikeln

Title (fr)

Unité et procédé pour introduire des éléments additifs à un matériau fibreux dans une machine pour produire des articles à fumer

Publication

EP 2443945 A1 20120425 (EN)

Application

EP 11186045 A 20111020

Priority

IT BO20100634 A 20101020

Abstract (en)

On a machine (1) for producing smoking articles, such as cigarette filters, a feed unit (24) for feeding additive elements (25), such as menthol capsules, into fibrous material, such as filtering material, has at least one hopper (26) containing a mass of additive elements (25); and a transfer device (28) which, at the input, withdraws the additive elements (25) successively from an outlet (27) of the hopper (26), and, at the output, deposits the additive elements (25) successively into the fibrous material. Between the input and output, the transfer device (28) increases the spacing between consecutive additive elements (25), so as to withdraw the additive elements (25) from the hopper (26) with a pickup spacing (P1), and deposit the additive elements (25) into the fibrous material with an out-feed spacing (P2) greater than the pickup spacing (P1).

IPC 8 full level

A24D 3/02 (2006.01)

CPC (source: EP)

A24D 3/0216 (2013.01); **A24D 3/027** (2013.01); **A24D 3/0295** (2013.01); **A24D 3/061** (2013.01)

Citation (applicant)

- DE 4308093 A1 19930930 - HAUNI WERKE KOERBER & CO KG [DE]
- WO 2007087848 A2 20070809 - RHODIA ACETOW GMBH [DE], et al
- GB 1585761 A 19810311 - CIGARETTE COMPONENTS LTD

Citation (search report)

- [XA] US 2007068540 A1 20070329 - THOMAS TIMOTHY F [US], et al
- [A] US 2005070409 A1 20050331 - DEAL PHILIP ANDREW [US]
- [A] US 2010236561 A1 20100923 - BARNES VERNON BRENT [US], et al
- [A] WO 2010115829 A1 20101014 - BRITISH AMERICAN TOBACCO CO [GB], et al
- [AD] WO 2007087848 A2 20070809 - RHODIA ACETOW GMBH [DE], et al
- [A] DE 102006025738 B3 20071108 - HAUNI MASCHINENBAU AG [DE]

Cited by

EP2630876A3

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 2443945 A1 20120425; **EP 2443945 B1 20140702**; CN 102524961 A 20120704; CN 102524961 B 20150506; IT 1408375 B1 20140620; IT BO20100634 A1 20120421; JP 2012125233 A 20120705; JP 5830344 B2 20151209; PL 2443945 T3 20141128

DOCDB simple family (application)

EP 11186045 A 20111020; CN 201110321955 A 20111020; IT BO20100634 A 20101020; JP 2011230065 A 20111019; PL 11186045 T 20111020