

Title (en)

APPARATUS AND METHOD FOR INTRODUCING OBJECTS INTO A SMOKING ARTICLE

Title (de)

VORRICHTUNG UND VERFAHREN ZUM EINFÜHREN VON GEGENSTÄNDEN IN EINEN RAUCHARTIKEL

Title (fr)

APPAREIL ET PROCÉDÉ PERMETTANT D'INTRODUIRE DES OBJETS DANS UN ARTICLE POUR FUMEURS

Publication

**EP 2720565 B1 20150909 (EN)**

Application

**EP 12725785 A 20120606**

Priority

- EP 11170557 A 20110620
- EP 2012060634 W 20120606
- EP 12725785 A 20120606

Abstract (en)

[origin: WO2012175333A1] An apparatus for introducing objects into a continuous flow of material comprises: - a reservoir (1) for the objects; - a rotatable transfer wheel (3) for transporting the objects to an insertion unit for introducing the objects into the continuous flow of material; - a transfer chamber (2) arranged between the reservoir (1) and the rotatable transfer wheel (3). Means are provided for generating a circulating movement of the objects along the peripheral surface of the rotatable transfer wheel (3). A return member (20) reverses the direction of movement of the objects in the transfer chamber (2). The return member (20) has a drop-like shape comprising a peak (200), two straight flanks (201) and a curved portion (202) connecting the straight flanks (201). The peak (200) faces towards the interior of the transfer chamber (2). One flank (201) extends essentially tangential to the peripheral surface of the rotatable transfer wheel (3).

IPC 8 full level

**A24D 3/02** (2006.01); **A24D 3/06** (2006.01)

CPC (source: EP KR)

**A24D 3/02** (2013.01 - KR); **A24D 3/0216** (2013.01 - EP); **A24D 3/06** (2013.01 - KR); **A24D 3/061** (2013.01 - EP)

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

DOCDB simple family (publication)

**WO 2012175333 A1 20121227**; BR 112013032707 A2 20170124; BR 112013032707 B1 20210105; CN 103841846 A 20140604; CN 103841846 B 20160824; EP 2720565 A1 20140423; EP 2720565 B1 20150909; ES 2553661 T3 20151210; HU E026318 T2 20160628; JP 2014519828 A 20140821; JP 6029030 B2 20161124; KR 102024394 B1 20190923; KR 20140032426 A 20140314; PL 2720565 T3 20160229; RU 2014101497 A 20150727; RU 2589670 C2 20160710

DOCDB simple family (application)

**EP 2012060634 W 20120606**; BR 112013032707 A 20120606; CN 201280030336 A 20120606; EP 12725785 A 20120606; ES 12725785 T 20120606; HU E12725785 A 20120606; JP 2014516261 A 20120606; KR 20137032731 A 20120606; PL 12725785 T 20120606; RU 2014101497 A 20120606