

Title (en)

METHOD AND DEVICE FOR SEPARATING FOREIGN BODIES FROM A FLOW OF TOBACCO

Title (de)

VERFAHREN UND VORRICHTUNG ZUR FREMDKÖRPERABSCHEIDUNG AUS EINEM TABAKSTROM

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR SÉPARER DES CORPS ÉTRANGERS D'UN FLUX DE TABAC

Publication

**EP 2521462 B1 20160831 (DE)**

Application

**EP 11701740 A 20110103**

Priority

- US 68367510 A 20100107
- EP 2011000001 W 20110103

Abstract (en)

[origin: US2011162666A1] Method and device for removing foreign bodies from a first tobacco stream that is conveyed via an air flow in a region of a first foreign body detection device. Method includes detecting, with a first foreign body detection device, the foreign bodies in the first tobacco stream based on at least one property, and removing, with a jet of compressed air, the foreign bodies from the first tobacco stream. In this manner, a foreign body freed tobacco stream and a second tobacco stream including tobacco particles and the foreign bodies entrained by the jet of compressed air are formed. Method also includes at least one of: accelerating the second stream at a distance from the first tobacco stream; and detecting, with a second foreign body detector, foreign bodies in the second stream based on at least one property and removing the detected foreign bodies with a second jet of compressed air.

IPC 8 full level

**A24B 1/04** (2006.01)

CPC (source: EP US)

**A24B 1/04** (2013.01 - EP US)

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)

**US 2011162666 A1 20110707; US 8893723 B2 20141125**; CN 102695429 A 20120926; CN 102695429 B 20150225; EP 2521462 A2 20121114; EP 2521462 B1 20160831; WO 2011083070 A2 20110714; WO 2011083070 A3 20110909

DOCDB simple family (application)

**US 68367510 A 20100107**; CN 201180005527 A 20110103; EP 11701740 A 20110103; EP 2011000001 W 20110103