

Title (en)  
Method and device for eliminating foreign bodies

Title (de)  
Verfahren und Vorrichtung zur Fremdkörperabscheidung

Title (fr)  
Procédé et dispositif d'élimination de corps étrangers

Publication  
**EP 1582272 B1 20100922 (DE)**

Application  
**EP 05003384 A 20050217**

Priority  
DE 102004015463 A 20040326

Abstract (en)  
[origin: EP1582272A1] The method involves directly conveying tobacco stream into the detection area of a foreign material detection laser (20) via compressed air (11). Foreign materials (17) in the tobacco stream are identified by the foreign material detection laser based on at least one characteristic. The detected foreign materials are removed from the tobacco stream.

IPC 8 full level  
**B07B 7/00** (2006.01); **G01N 21/85** (2006.01); **A24B 1/04** (2006.01); **A24B 3/18** (2006.01); **A24C 5/39** (2006.01); **B07C 5/36** (2006.01)

CPC (source: EP US)  
**A24B 1/04** (2013.01 - EP US); **A24C 5/396** (2013.01 - EP US); **B07C 5/365** (2013.01 - EP US)

Citation (examination)  
EP 1576897 A1 20050921 - UNIVERSAL LEAF TOBACCO CO [US]

Cited by  
EP3492186A1; CN101889731A; EP3822618A1

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

DOCDB simple family (publication)  
**EP 1582272 A1 20051005; EP 1582272 B1 20100922**; AT E482034 T1 20101015; AT E518604 T1 20110815; CN 1672813 A 20050928; CN 1672813 B 20101229; DE 102004015463 A1 20051013; DE 102004015463 B4 20060706; DE 502005010279 D1 20101104; EP 1930090 A1 20080611; EP 1930090 B1 20110803; JP 2005278647 A 20051013; JP 4714486 B2 20110629; PL 1582272 T3 20110331; PL 1930090 T3 20111230; US 2005211257 A1 20050929; US 7448391 B2 20081111

DOCDB simple family (application)  
**EP 05003384 A 20050217**; AT 05003384 T 20050217; AT 08001185 T 20050217; CN 200510062462 A 20050328; DE 102004015463 A 20040326; DE 502005010279 T 20050217; EP 08001185 A 20050217; JP 2005068311 A 20050311; PL 05003384 T 20050217; PL 08001185 T 20050217; US 8761105 A 20050324