

Title (en)

Separation of foreign bodies from a tobacco flow

Title (de)

Abscheidung von Fremdkörpern aus einem Tabakstrom

Title (fr)

Séparation de corps étrangers hors d'un flux de tabac

Publication

EP 1645200 A3 20060426 (DE)

Application

EP 05019193 A 20050905

Priority

DE 102004048744 A 20041005

Abstract (en)

[origin: EP1645200A2] A tobacco stream is conveyed under a foreign object detector (15) that detects foreign object in the stream. The stream without a foreign object is diverted downstream of detector by a diverter arranged in the conveyor. A portion of stream containing foreign object, is transferred in a diverter region having mechanical valve arrangement, such that the stream containing foreign object is not diverted. An independent claim is also included for a device segregating foreign objects from a tobacco stream.

IPC 8 full level

A24B 1/04 (2006.01); **A24C 5/39** (2006.01); **B07C 5/342** (2006.01); **B65G 53/56** (2006.01)

CPC (source: EP US)

A24B 1/04 (2013.01 - EP US); **B07C 5/342** (2013.01 - EP US)

Citation (search report)

- [A] US 4251356 A 19810217 - HARTE HEINZ
- [A] US 6646218 B1 20031111 - CAMPBELL DUNCAN [US], et al
- [DA] US 6332543 B1 20011225 - NIEHUES HEIKO [DE], et al
- [A] WO 0107950 A1 20010201 - BARCO ELBICON N V [BE], et al
- [A] NL 8304371 A 19850716 - THOMASSEN & DRIJVER

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EP2218343A1

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 LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1645200 A2 20060412; **EP 1645200 A3 20060426**; CN 1757331 A 20060412; DE 102004048744 A1 20060413;
DE 102004048744 B4 20071004; US 2006070632 A1 20060406

DOCDB simple family (application)

EP 05019193 A 20050905; CN 200510107096 A 20051008; DE 102004048744 A 20041005; US 23941705 A 20050930