

Title (en)
A cigarette maker

Title (de)
Zigarettenherstellungsmaschine

Title (fr)
Machine de fabrication de cigarettes

Publication
EP 1602292 B1 20070905 (EN)

Application
EP 05425400 A 20050531

Priority
IT BO20040358 A 20040604

Abstract (en)
[origin: EP1602292A1] A cigarette maker is equipped with an infeed hopper (2), a pneumatic feed duct (4) carrying a flow of shredded tobacco (3) to the hopper (2), a carding unit (7), a descending channel (12), and an ascending channel (15) by which the tobacco (3) is directed up and onto aspirating conveyor belt (16). A separator device (18) installed upstream of the infeed hopper (2) and designed to remove foreign matter from the flow of shredded tobacco (3) is packaged as a module (19), coupled into the feed duct (4), comprising a first section (20) isolated from pneumatic pressure in the duct (4), and a second section (21) in which pneumatic pressure is reinstated; tobacco (3) advancing through the first section (20) is thinned on a conveyor belt (25) and loosened on a vibrating tray (27) in such a way as to disentangle the constituent particles and stems and redistribute the flow as a layer of relatively limited thickness, thereby favouring separation of the foreign matter. <IMAGE>

IPC 8 full level
A24C 5/39 (2006.01)

CPC (source: EP US)
A24C 5/396 (2013.01 - EP US)

Cited by
EP1985192A4

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)
US 2005268924 A1 20051208; AT E372063 T1 20070915; CN 1706294 A 20051214; DE 602005002295 D1 20071018; DE 602005002295 T2 20080529; EP 1602292 A1 20051207; EP 1602292 B1 20070905; IT BO20040358 A1 20040904; RU 2005116963 A 20061120

DOCDB simple family (application)
US 14367005 A 20050603; AT 05425400 T 20050531; CN 200510078509 A 20050603; DE 602005002295 T 20050531; EP 05425400 A 20050531; IT BO20040358 A 20040604; RU 2005116963 A 20050603