

Title (en)  
A cigarette maker

Title (de)  
Zigarettenherstellungsmaschine

Title (fr)  
Machine de fabrication de cigarettes

Publication  
**EP 1602292 A1 20051207 (EN)**

Application  
**EP 05425400 A 20050531**

Priority  
IT BO20040358 A 20040604

Abstract (en)  
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 1-7  
**A24C 5/39**

IPC 8 full level  
**A24C 5/39** (2006.01)

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

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