

Title (en)

Adjustable filter cigarette and a method of manufacture thereof.

Title (de)

Einstellbare Filterzigarette und Verfahren zu ihrer Herstellung.

Title (fr)

Cigarette à filtre ajustable et procédé pour sa production.

Publication

**EP 0105683 A1 19840418 (EN)**

Application

**EP 83305690 A 19830923**

Priority

- US 42939282 A 19820930
- US 43958882 A 19821105

Abstract (en)

A filter cigarette is provided which comprises a tobacco rod which includes a charge of tobacco 1 wrapped in cigarette paper 3, an integral, axially aligned cylindrical filter plug 4, and tipping paper 8. In one embodiment, the filter plug is divided into first 6 and second 7 segments with the first segment being rotatable with respect to the second segment. Rotation of the first segment with respect to the second segment, in one embodiment of the invention, serves to vary the air dilution value of the cigarette. A cigarette having a variable resistance to draw is also provided, and a cigarette which maintains a constant resistance to draw value as the air dilution value is varied. In yet another embodiment, an encapsulated flavourant is provided which is released responsive to rotation of the first segment with respect to the second segment. In another embodiment, the tipping paper is air transmissive, and the wrapping is substantially air impermeable and has a plurality of first longitudinally extending, substantially air impermeable depressions spaced about the circumference of the first segment which are registrable with corresponding second longitudinally extending, substantially air impermeable depressions spaced about the circumference of the second segment, such that as the first segment is rotated relative to the second segment, the degree of registry of the first and second depressions varies, thereby admitting varying amounts of air to the filter.

IPC 1-7

**A24D 1/04**; **A24D 3/04**; **A24D 3/02**; **A24D 3/18**; **A24D 3/14**

IPC 8 full level

**A24D 1/04** (2006.01); **A24D 3/02** (2006.01); **A24D 3/04** (2006.01); **A24D 3/14** (2006.01); **A24D 3/18** (2006.01)

CPC (source: EP US)

**A24D 3/041** (2013.01 - EP US)

Citation (search report)

- FR 2273443 A5 19751226 - FAHIR ABDELLAH [MA]
- GB 2099678 A 19821215 - GLATZ JULIUS GMBH
- GB 1058343 A 19670208 - PHILIP MORRIS INC
- DE 1782545 A1 19710916 - MOLINS MACHINE CO LTD
- US 4201234 A 19800506 - NEUKOMM SERGE [CH]
- US 3759268 A 19730918 - PLOURDE J
- US 3596665 A 19710803 - LINDGARD KNUD
- US 3327718 A 19670627 - DOUGLAS KILBURN KEITH
- GB 1095848 A 19671220 - AMERICAN TOBACCO CO

Cited by

EP0260789A1; ITBO20120584A1; US4648413A; ITBO20120585A1; EP0212879A1; US4646763A; EP0223494A1; EP0189980A1; US4601298A; EP0247702A3; EP0167863A1; US4593707A; EP0100215A3; CN103945713A; US9861123B2; US9565874B2; WO2014064601A3; WO2011121325A1; WO2011039302A1; US10182594B2; US9730470B2; US11330837B2; WO2014064613A1; WO2009022964A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0105683 A1 19840418**; **EP 0105683 B1 19870107**; AT E24659 T1 19870115; AU 1965883 A 19840405; AU 559010 B2 19870219; BR 8307543 A 19840821; CA 1212010 A 19860930; DE 105683 T1 19841025; DE 3368860 D1 19870212; JP S59501813 A 19841101; WO 8401273 A1 19840412

DOCDB simple family (application)

**EP 83305690 A 19830923**; AT 83305690 T 19830923; AU 1965883 A 19830928; BR 8307543 A 19830919; CA 437737 A 19830928; DE 3368860 T 19830923; DE 83305690 T 19830923; JP 50330683 A 19830919; US 8301448 W 19830919