

Title (en)

Adjustable air dilution filter.

Title (de)

Filter mit einstellbarer Luftzufuhr.

Title (fr)

Filtre ajustable à dilution d'air.

Publication

EP 0107507 A1 19840502 (EN)

Application

EP 83306494 A 19831025

Priority

US 43621782 A 19821025

Abstract (en)

An adjustable air dilution filter is provided for a smoking article such as a cigarette. The adjustable filter generally comprises a filter plug 4, overlain by a plurality of bands. At least one first air dilution opening 32a is formed in the surface of the filter plug, and at least one second air dilution opening 32 is formed through one or more bands 6, in longitudinal alignment with the first opening. An inner band 6 overlies the filter plug and has several longitudinally spaced zones. Over the inner band lies an outer band 22, which has several longitudinally spaced areas. One of the inner band zones 12 is joined to the filter plug 4 to form a first unit; one of the outer band areas 28 is joined to an inner band zone to form a second unit. The cooperative relationship thus created between the zones and areas of the two bands and the filter plug permits one of these units to rotate freely, while the other unit holds it in axial position. Rotation of the rotatable unit causes the air dilution openings to become more or less aligned, varying the air dilution delivered to the mainstream smoke, and, hence, varying the particulate delivery to the consumer.

IPC 1-7

A24D 3/02; A24D 3/04

IPC 8 full level

A24D 3/02 (2006.01); **A24D 3/04** (2006.01)

CPC (source: EP KR US)

A24D 1/027 (2013.01 - KR); **A24D 3/0275** (2013.01 - KR); **A24D 3/041** (2013.01 - EP US)

Citation (search report)

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DOCDB simple family (application)

EP 83306494 A 19831025; AU 2015583 A 19831013; BR 8305860 A 19831024; ES 526708 A 19831024; ES 530237 A 19840302; JP 19772083 A 19831024; KR 830005017 A 19831024; PT 7754583 A 19831021