COOPERATIVE PATENT CLASSIFICATION

A HUMAN NECESSITIES

FOODSTUFFS; TOBACCO

A24 TOBACCO; CIGARS; CIGARETTES; SIMULATED SMOKING DEVICES; SMOKERS' REQUISITES

A24D CIGARS; CIGARETTES; TOBACCO SMOKE FILTERS; MOUTHPIECES FOR CIGARS OR CIGARETTES; MANUFACTURE OF TOBACCO SMOKE FILTERS OR MOUTHPIECES

WARNING
In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

1/00 Cigars; Cigarettes

WARNING
Group A24D 1/00 is impacted by reclassification into groups A24D 1/20 and A24D 1/22.
Groups A24D 1/00, A24D 1/20, and A24D 1/22 should be considered in order to perform a complete search.

1/02 . [with additives, e.g. for flavouring (preparing tobacco, e.g. flavouring, A24B)]
1/04 . [with a filter located between tobacco rods]
1/06 . [with reinforced extremities]
1/08 . [dividable]
1/02 . [with special covers]
1/022 . . [Papers for roll-your-own cigarettes (paper in general D21H)]
1/025 . . [the covers having material applied to defined areas, e.g. bands for reducing the ignition propensity]
1/027 . . [with ventilating means, e.g. perforations]
1/04 . [with mouthpieces or filter-tips (mouthpieces, filter-tips per se A24D 3/00)]
1/042 . . [with mouthpieces (A24D 1/047 takes precedence; mouthpieces per se A24D 3/18)]
1/045 . . [with smoke filter means (A24D 1/047 takes precedence)]
1/047 . . [extensible]
1/08 . [with lighting means (pyrophoric compositions C06C 15/00; lighters per se F23Q)]
1/10 . [with extinguishers]
1/12 . [with ash-retaining attachments, holders, or other equipment]
1/14 . Tobacco cartridges for pipes

WARNING
Group A24D 1/14 is impacted by reclassification into group A24D 1/20.
Groups A24D 1/14 and A24D 1/20 should be considered in order to perform a complete search.

1/16 . Bands for cigars or cigarettes (machines for applying bands B65C)
1/18 . Selection of materials, other than tobacco, suitable for smoking
1/20 . Cigarettes specially adapted for simulated smoking devices

WARNING
Group A24D 1/20 is incomplete pending reclassification of documents from groups A24D 1/00 and A24D 1/14.
Groups A24D 1/00, A24D 1/14, and A24D 1/20 should be considered in order to perform a complete search.

1/22 . Cigarettes with integrated combustible heat sources, e.g. with carbonaceous heat sources

WARNING
Group A24D 1/22 is incomplete pending reclassification of documents from groups A24D 1/00, A24F 47/004, A24F 47/006, and A24F 47/008.
All groups listed in this Warning should be considered in order to perform a complete search.

3/00 Tobacco smoke filters, e.g. filter-tips, filtering inserts; Filters specially adapted for simulated smoking devices; Mouthpieces for cigars or cigarettes (for pipes, for cigar or cigarette holders A24F 7/00)

3/02 . Manufacture of tobacco smoke filters (manufacture of paper or cellulosic materials for filters D21)
3/0204 . . [Preliminary operations before the filter rod forming process, e.g. crimping, blooming (A24D 2/0275 takes precedence)]
3/0208 . . . [Cutting filter materials]
3/0212 . . . [Applying additives to filter materials]
3/0216 . . . . [the additive being in the form of capsules, beads or the like]
3/022 . . . . [with liquid additives, e.g. application of plasticisers]
3/0225 . . . . { with solid additives, e.g. incorporation of a granular product (A24D 3/0216 takes precedence) }
3/0229 . . [Filter rod forming processes (A24D 3/0275 takes precedence) ]
3/0233 . . . . { by means of a garniture } 3/0241 . . . . { by compacting particulated materials } 3/0245 . . . . { by winding, e.g. spirally } 3/025 . . . . { Final operations, i.e. after the filter rod forming process (A24D 3/0275 takes precedence) } 3/0254 . . . . { Cutting means } 3/0258 . . . . { Means for making grooves } 3/0262 . . . . { Filter extremity shaping and compacting means } 3/0266 . . . . { Rolling means } 3/027 . . . { Multiple line manufacturing devices } 3/0275 . . . . { for filters with special features } 3/0279 . . . . { with tubes } 3/0283 . . . . { with means for a non-axial smoke flow } 3/0287 . . . . { for composite filters } 3/0291 . . . . { for hollow tipped filters, e.g. recess filters } 3/0295 . . . . { Process control means } 3/04 . . . . Tobacco smoke filters characterised by their shape or structure

**WARNING**


3/041 . . . . { with adjustable means for modifying the degree of filtration of the filter } 3/043 . . . . { with ventilation means, e.g. air dilution (A24D 3/041 takes precedence) } 3/045 . . . . { with smoke acceleration means, e.g. impact-filters } 3/046 . . . . { with electrical or magnetical filtering means } 3/048 . . . . { containing additives } 3/06 . . . . Use of materials for tobacco smoke filters 3/061 . . . . { containing additives entrapped within capsules, sponge-like material or the like, for further release upon smoking (constructional aspects of the filter A24D 3/048) } 3/062 . . . . { characterised by structural features } 3/063 . . . . . . . . . . of the fibers } 3/064 . . . . . . . . . . { having non-circular cross-section } 3/065 . . . . . . . . . . { with sheath/core of bi-component type structure } 3/066 . . . . . . . . . . { in the form of foam or having cellular structure } 3/067 . . . . . . . . . . { characterised by functional properties } 3/068 . . . . . . . . . . { Biodegradable or disintegrable } 3/08 . . . . . . . . . . of organic materials as carrier or major constituent (of ion exchange materials A24D 3/12) 3/10 . . . . . . . . . . of cellulose or cellulose derivatives 3/12 . . . . . . . . . . of ion exchange materials 3/14 . . . . . . . . . . of organic materials as additive (of ion exchange materials A24D 3/12)