

CPC COOPERATIVE PATENT CLASSIFICATION

A HUMAN NECESSITIES

FOODSTUFFS; TOBACCO

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

(NOTE omitted)

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.

- 1/002 . {with additives, e.g. for flavouring ([preparing tobacco, e.g. flavouring, A24B](#))}
- 1/004 . {with a filter located between tobacco rods}
- 1/006 . {with reinforced extremities}
- 1/008 . {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 3/0275 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}
- 3/0237 {by extrusion}
- 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

Groups [A24D 3/04](#), [A24D 3/041](#), [A24D 3/043](#), [A24D 3/045](#), [A24D 3/046](#) and [A24D 3/048](#) are impacted by reclassification into group [A24D 3/17](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- 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](#))

- 3/145 {Microbial metabolite, e.g. enzyme}
- 3/16 . . of inorganic materials
- 3/163 {Carbon}
- 3/166 {Silicic acid or silicates}
- 3/17 . . Filters specially adapted for simulated smoking devices

WARNING

Group [A24D 3/17](#) is incomplete pending reclassification of documents from groups [A24D 3/04](#), [A24D 3/041](#), [A24D 3/043](#), [A24D 3/045](#), [A24D 3/046](#), [A24D 3/048](#), [A24F 47/00](#), [A24F 47/002](#), [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.

- 3/18 . . Mouthpieces for cigars or cigarettes; Manufacture thereof ([A24D 3/02 takes precedence](#); making tipping materials for, or attaching them to mouthpieces of, cigars or cigarettes [A24C 5/56](#); producing cigar or cigarette holders from plastics or from substances in a plastic state [B29D 23/14](#); manufacture from metal, [see the relevant subclasses of Section B](#))
- 3/185 . . {with a straw-like insert, e.g. Virginia cigars}