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.

1/02  .  (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 E23Q)
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 cellulose 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)
A24D 3/025 . . .  {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
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
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}