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 . . . {by means of a garniture}
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
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 . . . {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)}

**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 . . . {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)}