CPC  COOPERATIVE PATENT CLASSIFICATION

A  HUMAN NECESSITIES

FOODSTUFFS; TOBACCO

A24  TOBACCO; CIGARS; CIGARETTES; 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
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 3/047 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
1/16  . Bands for cigars or cigarettes (machines for applying bands B65C)
1/18  . Selection of materials, other than tobacco, suitable for smoking

3/00  Tobacco smoke filters, e.g. filter-tips, filtering inserts (filters in general B01D); Mouthpieces for cigars or cigarettes (for pipes, for cigar or cigarette holders A24F 7000)
3/02  . Manufacture of tobacco smoke filters (manufacture of paper or cellulodis 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
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 (additive composition A24D 3/061)}
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}
3/18 . 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]