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 papers 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]
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 7/00)
3/02  .  .  [Manufacture of tobacco smoke filters (manufacture of paper or cellulosic materials for filters D21)]
3/024  .  .  .  [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  .  .  .  .  .  [by tubes]
3/0283  .  .  .  .  .  [by 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]
A24D

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}