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

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  .  (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
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)
3/0204  .  (Preliminary operations before the filter rod forming process, e.g. crimping, blooming (A24D 3/0216 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 filters)
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}