

CPC**COOPERATIVE PATENT CLASSIFICATION****A24D****CIGARS; CIGARETTES; TOBACCO SMOKE FILTERS; MOUTHPIECES FOR CIGARS OR CIGARETTES; MANUFACTURE OF TOBACCO SMOKE FILTERS OR MOUTHPIECES****A24D 1/00****Cigars; Cigarettes**

- A24D 1/002 . {with additives, e.g. for flavouring (preparing tobacco, e.g. flavouring, [A24B](#)) }
- A24D 1/004 . {with a filter located between tobacco rods }
- A24D 1/006 . {with reinforced extremities }
- A24D 1/008 . {dividable }
- A24D 1/02 . with special covers
- A24D 1/022 . . { Papers for roll-your-own cigarettes (paper in general [D21H](#)) }
- A24D 1/025 . . { the covers having material applied to defined areas, e.g. bands for reducing the ignition propensity }
- A24D 1/027 . . {with ventilating means, e.g. perforations }
- A24D 1/04 . with mouthpieces or filter-tips (mouthpieces, filter-tips per se [A24D 3/00](#))
- A24D 1/042 . . {with mouthpieces ([A24D 1/047](#) takes precedence; mouthpieces per se [A24D 3/18](#)) }
- A24D 1/045 . . {with smoke filter means ([A24D 1/047](#) takes precedence) }
- A24D 1/047 . . {extensible }
- A24D 1/08 . with lighting means (pyrophoric compositions [C06C 15/00](#); lighters per se [F23Q](#))
- A24D 1/10 . with extinguishers
- A24D 1/12 . with ash-retaining attachments, holders, or other equipment
- A24D 1/14 . Tobacco cartridges for pipes
- A24D 1/16 . Bands for cigars or cigarettes (machines for applying bands [B65C](#))
- A24D 1/18 . Selection of materials, other than tobacco, suitable for smoking

A24D 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](#))**

- A24D 3/02 . Manufacture of tobacco smoke filters (manufacture of paper or cellulosic materials for filters [D21](#))
- A24D 3/0204 . . {Preliminary operations before the filter rod forming process, e.g. crimping, blooming ([A24D 3/0275](#) takes precedence) }

- A24D 3/0208 ... {Cutting filter materials }
- A24D 3/0212 ... {Applying additives to filter materials }
- A24D 3/0216 { the additive being in the form of capsules, beads or the like }
- A24D 3/022 {with liquid additives, e.g. application of plasticisers }
- A24D 3/0225 { with solid additives, e.g. incorporation of a granular product ([A24D 3/0216 takes precedence](#)) }
- A24D 3/0229 .. {Filter rod forming processes ([A24D 3/0275 takes precedence](#)) }
- A24D 3/0233 ... {by means of a garniture }
- A24D 3/0237 ... {by extrusion }
- A24D 3/0241 ... {by compacting particulated materials }
- A24D 3/0245 ... {by winding, e.g. spirally }
- A24D 3/025 .. {Final operations, i.e. after the filter rod forming process ([A24D 3/0275 takes precedence](#)) }
- A24D 3/0254 ... {Cutting means }
- A24D 3/0258 ... {Means for making grooves }
- A24D 3/0262 ... {Filter extremity shaping and compacting means }
- A24D 3/0266 ... {Rolling means }
- A24D 3/027 .. { Multiple line manufacturing devices }
- A24D 3/0275 .. {for filters with special features }
- A24D 3/0279 ... {with tubes }
- A24D 3/0283 ... {with means for a non-axial smoke flow }
- A24D 3/0287 ... {for composite filters }
- A24D 3/0291 ... {for hollow tipped filters, e.g. recess filters }
- A24D 3/0295 .. {Process control means }
- A24D 3/04 . Tobacco smoke filters characterised by their shape or structure
- A24D 3/041 .. {with adjustable means for modifying the degree of filtration of the filter }
- A24D 3/043 .. {with ventilation means, e.g. air dilution ([A24D 3/041 takes precedence](#)) }
- A24D 3/045 .. {with smoke acceleration means, e.g. impact-filters }
- A24D 3/046 .. {with electrical or magnetical filtering means }
- A24D 3/048 .. {containing additives (additive composition [A24D 3/061](#)) }
- A24D 3/06 . Use of materials for tobacco smoke filters
- A24D 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](#)) }
- A24D 3/062 .. { characterised by structural features }
- A24D 3/063 ... { of the fibers }
- A24D 3/064 { having non-circular cross-section }
- A24D 3/065 { with sheath/core of bi-component type structure }
- A24D 3/066 ... { in the form of foam or having cellular structure }
- A24D 3/067 .. { characterised by functional properties }
- A24D 3/068 ... { Biodegradable or disintegrable }
- A24D 3/08 .. of organic materials as carrier or major constituent ([of ion exchange materials A24D 3/12](#))

- A24D 3/10 . . . of cellulose or cellulose derivatives
- A24D 3/12 . . of ion exchange materials
- A24D 3/14 . . of organic materials as additive (of ion exchange materials [A24D 3/12](#))
- A24D 3/145 . . . { Microbial metabolite, e.g. enzyme }
- A24D 3/16 . . of inorganic materials
- A24D 3/163 . . . {Carbon }
- A24D 3/166 . . . {Silicic acid or silicates }

- A24D 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)

- A24D 3/185 . . {with a straw-like insert, e.g. Virginia cigars }