

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}