

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}