

**CPC****COOPERATIVE PATENT CLASSIFICATION****A24C****MACHINES FOR MAKING CIGARS OR CIGARETTES****Making cigars****A24C 1/00**

**Elements of cigar manufacture** (combinations of two or more elements of cigar manufacture [A24C 3/00](#); attaching or incorporating filters or mouthpieces [A24C 5/47](#), [A24C 5/52](#); cutting machines in general [B26D](#))

**A24C 1/02**

- . Tobacco-feeding devices with or without means for dividing the tobacco into measured quantities

**A24C 1/04**

- . Devices for cutting cigar binders or wrappers

**A24C 1/045**

- .. {Safety devices therefor}

**A24C 1/08**

- . Making tobacco bunches

**A24C 1/10**

- .. Bunch-making machines with aprons and tables for wrapping

**A24C 1/12**

- .. Bunch-making machines with wrapping rollers

**A24C 1/14**

- .. Bunch-making machines with grippers

**A24C 1/16**

- . Treating bunches

**A24C 1/18**

- .. Moulds or presses for cigar bunches

**A24C 1/20**

- ... Rotating moulds for cigar bunches

**A24C 1/22**

- .. Rolling formed bunches

**A24C 1/24**

- .. Cutting bunches to length

**A24C 1/26**

- . Applying the wrapper

**A24C 1/28**

- .. Wrapper transferring mechanisms

**A24C 1/30**

- .. Devices for applying the wrapper to the bunch

**A24C 1/32**

- .. Devices for forming the tips of cigars (filter-tips, mouthpieces [A24D 3/00](#))

**A24C 1/34**

- .. Adhesive-applying means

**A24C 1/36**

- .. Cutting wrapped bunches to length

**A24C 1/38**

- . Final treatment of cigars, e.g. sorting

**A24C 1/383**

- .. {Final drying of cigars}

**A24C 1/386**

- .. {Perforating cigars}

**A24C 1/40**

- .. Delustering or powdering cigars

**A24C 1/42**

- .. Marking, printing, or decorating cigars

**A24C 1/44**

- .. Bundling and pressing devices for cigars

**A24C 3/00**

**Complete manufacture of cigars; Combinations of two or more elements of cigar manufacture**

<b>A24C 5/00</b>	<b>Making cigarettes; Making tipping materials for, or attaching filters or mouthpieces to, cigars or cigarettes</b>
A24C 5/002	. {Feeding arrangements for individual paper wrappers}
A24C 5/005	. {Treatment of cigarette paper}
A24C 5/007	.. {Perforating}
A24C 5/02	. Cigarette-filling machines
A24C 5/04	.. with continuous rod ( <a href="#">A24C 5/14</a> takes precedence)
A24C 5/06	.. with pressing-chamber
A24C 5/08	. Machines with aprons and tables for wrapping
A24C 5/10	. Machines with wrapping rollers
A24C 5/12	. Cutting the ends of filled and rolled cigarettes
A24C 5/14	. Machines of the continuous-rod type ( <a href="#">tobacco feeding devices A24C 5/39</a> )
A24C 5/18	.. Forming the rod
A24C 5/1807	... {with compressing means, e.g. garniture}
A24C 5/1814	... {containing parts of different densities, e.g. dense ends}
A24C 5/1821	... {containing different tobacco mixtures, e.g. composite rods}
A24C 5/1828	... {by cutting tobacco sheet material}
A24C 5/1835	... {Multiple rod making devices}
A24C 5/1842	... {Trimming devices}
A24C 5/185	... {Separating devices, e.g. winnowing, removing impurities}
A24C 5/1857	... { Belt construction or driving means}
A24C 5/1864	... {Conditioning means, e.g. drying}
A24C 5/1871	... {Devices for regulating the tobacco quantity}
A24C 5/1878	... {for oval cigarettes}
A24C 5/1885	... {for cigarettes with an axial air duct}
A24C 5/1892	... {with additives, e.g. binding agent, flavorants}
A24C 5/20	.. Reels; Supports for bobbins; Other accessories
A24C 5/22	.. Creasing the paper seam
A24C 5/24	.. Pasting the seam
A24C 5/26	.. Drying the seam
A24C 5/28	.. Cutting-off the tobacco rod
A24C 5/30	... Machines combined with devices for grinding the knives
A24C 5/31	.. with special arrangements coming into operation during starting, slowing-down or breakdown of the machine, e.g. for diverting or breaking the continuous rod
A24C 5/32	. Separating, ordering, counting, or examining cigarettes ( <a href="#">in relation to packaging B65B 19/00</a> ); Regulating the feeding of tobacco according to rod or cigarette condition ( <a href="#">investigating or analysing materials by determining their chemical or physical</a>

- properties [G01N](#); controlling in general [G05](#))
- A24C 5/321 .. {Counting means}
  - A24C 5/322 .. {Transporting cigarettes during manufacturing}
  - A24C 5/323 ... {pneumatically}
  - A24C 5/325 ... {from a hopper}
  - A24C 5/326 ... {with lateral transferring means}
  - A24C 5/327 ... {Construction details of the cigarette transport drum}
  - A24C 5/328 ... {Controlling means}
  - A24C 5/33 .. Catching or ordering devices
  - A24C 5/333 ... {for combining several rows into one}
  - A24C 5/336 ... {Turning means}
  - A24C 5/34 .. Examining cigarettes or the rod, e.g. for regulating the feeding of tobacco;  
Removing defective cigarettes
  - A24C 5/3406 ... {Controlling cigarette combustion}
  - A24C 5/3412 ... {by means of light, radiation or electrostatic fields ([A24C 5/3406](#) takes precedence)}
  - A24C 5/3418 ... {by pneumatic means ([A24C 5/3406](#) takes precedence)}
  - A24C 5/3424 ... {by weighing ([A24C 5/3406](#) takes precedence)}
  - A24C 5/343 ... by mechanical means, e.g. feelers
  - A24C 5/345 ... Removing defective cigarettes ([A24C 5/31](#) takes precedence)
  - A24C 5/35 .. Adaptations of conveying apparatus for transporting cigarettes from making machine to packaging machine
  - A24C 5/352 .. Using containers, i.e. boats
  - A24C 5/354 ... Filling the boats at the making machine
  - A24C 5/356 ... Emptying the boats into the hopper of the packaging machine ([hopper construction B65B 19/04](#))
  - A24C 5/358 ... Boat constructions
  - A24C 5/36 .. Removing papers or other parts from defective cigarettes
  - A24C 5/38 .. Machines combined with printing devices
  - A24C 5/39 .. Tobacco feeding devices ([regulating feed according to rod or cigarette condition A24C 5/34](#))
  - A24C 5/391 .. {feeding to several cigarette making machines}
  - A24C 5/392 .. {feeding pneumatically}
  - A24C 5/393 .. {with a vibrating conveyer}
  - A24C 5/394 .. {with an auxiliary feed unit}
  - A24C 5/395 .. {with arrangements in the hopper, e.g. for spreading, tamping}
  - A24C 5/396 .. {with separating means, e.g. winnowing, removing impurities}
  - A24C 5/397 .. {with means for regulating the tobacco quantity}
  - A24C 5/398 .. {Driving arrangements}
  - A24C 5/399 .. {Component parts or details, e.g. feed roller, feed belt}

- A24C 5/40 . Hand-driven apparatus for making cigarettes
- A24C 5/42 . . Pocket cigarette-fillers
- A24C 5/425 . . . {for obtaining cigarettes of various lengths}
- A24C 5/44 . . Pocket cigarette-rollers
- A24C 5/46 . Making paper tubes for cigarettes (making paper tubes in general [B31C](#))
- A24C 5/465 . . {the paper tubes partially containing a filter element}
- A24C 5/47 . Attaching filters or mouthpieces to cigars or cigarettes, e.g. inserting filters into cigarettes or their mouthpieces ([A24C 5/52](#) takes precedence; filters, their manufacture, mouthpieces [A24D 3/00](#))
- A24C 5/471 . . {by means of a connecting band}
- A24C 5/472 . . . {Applying adhesives to the connecting band}
- A24C 5/473 . . . {Cutting the connecting band}
- A24C 5/474 . . {by inserting filters into cigarettes or their mouthpieces}
- A24C 5/475 . . {adapted for composite filters}
- A24C 5/476 . . {adapted for cigars or cigarettes with a hollow mouthpiece, e.g. recess filter cigarettes}
- A24C 5/477 . . . {with a mouthpiece made from plastic, wood or the like}
- A24C 5/478 . . {Transport means for filter- or cigarette-rods in view of their assembling}
- A24C 5/52 . Incorporating filters or mouthpieces into a cigarette rod or a tobacco rod (filters, their manufacture, mouthpieces [A24D 3/00](#))
- A24C 5/54 . Folding the ends of cigarette paper tubes after filling them with tobacco
- A24C 5/56 . Making tipping materials, e.g. sheet cork for mouthpieces of cigars or cigarettes, by mechanical means (chemical part of making tipping material [C08](#); wrapping papers for cigarettes [D21H](#))
- A24C 5/565 . . {by treating the tipping material with a liquid or viscous solution, e.g. paraffine (final treatment [A24C 5/608](#))}
- A24C 5/58 . . Applying the tipping materials
- A24C 5/583 . . . {to a continuous web of cigarette paper}
- A24C 5/586 . . . {to a cigarette}
- A24C 5/60 . Final treatment of cigarettes, e.g. marking, printing, branding, decorating
- A24C 5/601 . . {Marking, printing or decorating cigarettes}
- A24C 5/602 . . . {Bronzing}
- A24C 5/603 . . {Final drying of cigarettes}
- A24C 5/605 . . {Pressing of cigarettes, e.g. for obtaining an oval form}
- A24C 5/606 . . {Perforating cigarettes}
- A24C 5/607 . . . {by mechanical means}
- A24C 5/608 . . {Treating cigarettes with a liquid or viscous solution}