

**CPC****COOPERATIVE PATENT CLASSIFICATION****A24C****MACHINES FOR MAKING CIGARS OR CIGARETTES****Guidance heading:** 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**

**A24C 5/00**      **Making cigarettes; Making tipping materials for, or attaching filters or mouthpieces to, cigars or cigarettes**

- 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 ([A24C 5/14](#) 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 ([tobacco feeding devices A24C 5/39](#))
- 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 ([in relation to packaging B65B 19/00](#)); Regulating the feeding of tobacco according to rod or cigarette condition ([investigating or analysing materials by determining their chemical or physical 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 }