

**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}