

CPC COOPERATIVE PATENT CLASSIFICATION

A HUMAN NECESSITIES

FOODSTUFFS; TOBACCO

A24 TOBACCO; CIGARS; CIGARETTES; SMOKERS' REQUISITES

A24C MACHINES FOR MAKING CIGARS OR CIGARETTES

Making cigars

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](#))

- 1/02 . Tobacco-feeding devices with or without means for dividing the tobacco into measured quantities
- 1/04 . Devices for cutting cigar binders or wrappers
- 1/045 . . {Safety devices therefor}
- 1/08 . Making tobacco bunches
- 1/10 . . Bunch-making machines with aprons and tables for wrapping
- 1/12 . . Bunch-making machines with wrapping rollers
- 1/14 . . Bunch-making machines with grippers
- 1/16 . Treating bunches
- 1/18 . . Moulds or presses for cigar bunches
- 1/20 . . . Rotating moulds for cigar bunches
- 1/22 . . Rolling formed bunches
- 1/24 . . Cutting bunches to length
- 1/26 . Applying the wrapper
- 1/28 . . Wrapper transferring mechanisms
- 1/30 . . Devices for applying the wrapper to the bunch
- 1/32 . . Devices for forming the tips of cigars (filter-tips, mouthpieces [A24D 3/00](#))
- 1/34 . . Adhesive-applying means
- 1/36 . . Cutting wrapped bunches to length
- 1/38 . Final treatment of cigars, e.g. sorting
- 1/383 . . {Final drying of cigars}
- 1/386 . . {Perforating cigars}
- 1/40 . . Delustering or powdering cigars
- 1/42 . . Marking, printing, or decorating cigars
- 1/44 . . Bundling and pressing devices for cigars

3/00 **Complete manufacture of cigars; Combinations of two or more elements of cigar manufacture**

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

- 5/002 . {Feeding arrangements for individual paper wrappers}
- 5/005 . {Treatment of cigarette paper}
- 5/007 . . {Perforating}
- 5/02 . Cigarette-filling machines
- 5/04 . . with continuous rod ([A24C 5/14](#) takes precedence)
- 5/06 . . with pressing-chamber
- 5/08 . Machines with aprons and tables for wrapping
- 5/10 . Machines with wrapping rollers

- 5/12 . Cutting the ends of filled and rolled cigarettes
- 5/14 . Machines of the continuous-rod type (tobacco feeding devices [A24C 5/39](#))
- 5/18 . . Forming the rod
- 5/1807 . . . {with compressing means, e.g. garniture}
- 5/1814 . . . {containing parts of different densities, e.g. dense ends}
- 5/1821 . . . {containing different tobacco mixtures, e.g. composite rods}
- 5/1828 . . . {by cutting tobacco sheet material}
- 5/1835 . . . {Multiple rod making devices}
- 5/1842 . . . {Trimming devices}
- 5/185 . . . {Separating devices, e.g. winnowing, removing impurities}
- 5/1857 . . . {Belt construction or driving means}
- 5/1864 . . . {Conditioning means, e.g. drying}
- 5/1871 . . . {Devices for regulating the tobacco quantity}
- 5/1878 . . . {for oval cigarettes}
- 5/1885 . . . {for cigarettes with an axial air duct}
- 5/1892 . . . {with additives, e.g. binding agent, flavorants}
- 5/20 . . Reels; Supports for bobbins; Other accessories
- 5/22 . . Creasing the paper seam
- 5/24 . . Pasting the seam
- 5/26 . . Drying the seam
- 5/28 . . Cutting-off the tobacco rod
- 5/30 . . . Machines combined with devices for grinding the knives
- 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
- 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](#))
- 5/321 . . {Counting means}
- 5/322 . . {Transporting cigarettes during manufacturing}
- 5/323 . . . {pneumatically}
- 5/325 . . . {from a hopper}
- 5/326 . . . {with lateral transferring means}
- 5/327 . . . {Construction details of the cigarette transport drum}
- 5/328 . . . {Controlling means}
- 5/33 . . Catching or ordering devices
- 5/333 . . . {for combining several rows into one}
- 5/336 . . . {Turning means}

- 5/34 . . Examining cigarettes or the rod, e.g. for regulating the feeding of tobacco; Removing defective cigarettes
- 5/3406 . . . {Controlling cigarette combustion}
- 5/3412 . . . {by means of light, radiation or electrostatic fields ([A24C 5/3406 takes precedence](#))}
- 5/3418 . . . {by pneumatic means ([A24C 5/3406 takes precedence](#))}
- 5/3424 . . . {by weighing ([A24C 5/3406 takes precedence](#))}
- 5/343 . . . by mechanical means, e.g. feelers
- 5/345 . . . Removing defective cigarettes ([A24C 5/31 takes precedence](#))
- 5/35 . Adaptations of conveying apparatus for transporting cigarettes from making machine to packaging machine
- 5/352 . . using containers, i.e. boats
- 5/354 . . . Filling the boats at the making machine
- 5/356 . . . Emptying the boats into the hopper of the packaging machine ([hopper construction B65B 19/04](#))
- 5/358 . . . Boat constructions
- 5/36 . Removing papers or other parts from defective cigarettes
- 5/38 . Machines combined with printing devices
- 5/39 . Tobacco feeding devices ([regulating feed according to rod or cigarette condition A24C 5/34](#))
- 5/391 . . {feeding to several cigarette making machines}
- 5/392 . . {feeding pneumatically}
- 5/393 . . {with a vibrating conveyor}
- 5/394 . . {with an auxiliary feed unit}
- 5/395 . . {with arrangements in the hopper, e.g. for spreading, tamping}
- 5/396 . . {with separating means, e.g. winnowing, removing impurities}
- 5/397 . . {with means for regulating the tobacco quantity}
- 5/398 . . {Driving arrangements}
- 5/399 . . {Component parts or details, e.g. feed roller, feed belt}
- 5/40 . Hand-driven apparatus for making cigarettes
- 5/42 . . Pocket cigarette-fillers
- 5/425 . . . {for obtaining cigarettes of various lengths}
- 5/44 . . Pocket cigarette-rollers
- 5/46 . Making paper tubes for cigarettes ([making paper tubes in general B31C](#))
- 5/465 . . {the paper tubes partially containing a filter element}
- 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](#))
- 5/471 . . {by means of a connecting band}
- 5/472 . . . {Applying adhesives to the connecting band}
- 5/473 . . . {Cutting the connecting band}
- 5/474 . . {by inserting filters into cigarettes or their mouthpieces}
- 5/475 . . {adapted for composite filters}
- 5/476 . . {adapted for cigars or cigarettes with a hollow mouthpiece, e.g. recess filter cigarettes}
- 5/477 . . . {with a mouthpiece made from plastic, wood or the like}
- 5/478 . . {Transport means for filter- or cigarette-rods in view of their assembling}
- 5/52 . Incorporating filters or mouthpieces into a cigarette rod or a tobacco rod ([filters, their manufacture, mouthpieces A24D 3/00](#))
- 5/54 . Folding the ends of cigarette paper tubes after filling them with tobacco
- 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](#))
- 5/565 . . {by treating the tipping material with a liquid or viscous solution, e.g. paraffine ([final treatment A24C 5/608](#))}
- 5/58 . . Applying the tipping materials
- 5/583 . . . {to a continuous web of cigarette paper}
- 5/586 . . . {to a cigarette}
- 5/60 . Final treatment of cigarettes, e.g. marking, printing, branding, decorating
- 5/601 . . {Marking, printing or decorating cigarettes}
- 5/602 . . . {Bronzing}
- 5/603 . . {Final drying of cigarettes}
- 5/605 . . {Pressing of cigarettes, e.g. for obtaining an oval form}
- 5/606 . . {Perforating cigarettes}
- 5/607 . . . {by mechanical means}
- 5/608 . . {Treating cigarettes with a liquid or viscous solution}