MACHINES FOR MAKING CIGARS OR CIGARETTES

WARNING
In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

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-applyng 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}
5/01 . Making cigarettes for simulated smoking devices

WARNING
Group A24C 5/01 is incomplete pending reclassification of documents from groups A24B 3/14, A24F 47/004, A24F 47/006, and A24F 47/008.

All groups listed in this Warning should be considered in order to perform a complete search.

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
5/18 . . 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
Making cigars

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

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]

WARNING

Group A24C 5/3406 is impacted by reclassification into groups A24F 40/80 and A24F 42/90.

Groups A24C 5/3406, A24F 40/80, and A24F 42/90 should be considered in order to perform a complete search.

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, tampering]

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)

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

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

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]