A24C  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 B32D)

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]

5/01  .  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

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.

5/31 . . . 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]

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)
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]