**CPC**  COOPERATIVE PATENT CLASSIFICATION

A  HUMAN NECESSITIES

FOODSTUFFS; TOBACCO

A24  TOBACCO; CIGARS; CIGARETTES; SIMULATED SMOKING DEVICES; SMOKERS' REQUISITES

( NOTE omitted )

A24C  MACHINES FOR MAKING CIGARS OR CIGARETTE S

**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-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

CPC - 2020.08
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}