

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 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

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| 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) | 5/01 | . Making cigarettes for simulated smoking devices |
| | | 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 |
| 1/02 | . Tobacco-feeding devices with or without means for dividing the tobacco into measured quantities | 5/10 | . Machines with wrapping rollers |
| 1/04 | . Devices for cutting cigar binders or wrappers | 5/12 | . Cutting the ends of filled and rolled cigarettes |
| 1/045 | . . {Safety devices therefor} | 5/14 | . Machines of the continuous-rod type (tobacco feeding devices A24C 5/39) |
| 1/08 | . Making tobacco bunches | 5/18 | . . Forming the rod |
| 1/10 | . . Bunch-making machines with aprons and tables for wrapping | 5/1807 | . . . {with compressing means, e.g. garniture} |
| 1/12 | . . Bunch-making machines with wrapping rollers | 5/1814 | . . . {containing parts of different densities, e.g. dense ends} |
| 1/14 | . . Bunch-making machines with grippers | 5/1821 | . . . {containing different tobacco mixtures, e.g. composite rods} |
| 1/16 | . Treating bunches | 5/1828 | . . . {by cutting tobacco sheet material} |
| 1/18 | . . Moulds or presses for cigar bunches | 5/1835 | . . . {Multiple rod making devices} |
| 1/20 | . . . Rotating moulds for cigar bunches | 5/1842 | . . . {Trimming devices} |
| 1/22 | . . Rolling formed bunches | 5/185 | . . . {Separating devices, e.g. winnowing, removing impurities} |
| 1/24 | . . Cutting bunches to length | 5/1857 | . . . {Belt construction or driving means} |
| 1/26 | . Applying the wrapper | 5/1864 | . . . {Conditioning means, e.g. drying} |
| 1/28 | . . Wrapper transferring mechanisms | 5/1871 | . . . {Devices for regulating the tobacco quantity} |
| 1/30 | . . Devices for applying the wrapper to the bunch | 5/1878 | . . . {for oval cigarettes} |
| 1/32 | . . Devices for forming the tips of cigars (filter-tips, mouthpieces A24D 3/00) | 5/1885 | . . . {for cigarettes with an axial air duct} |
| 1/34 | . . Adhesive-applying means | 5/1892 | . . . {with additives, e.g. binding agent, flavorants} |
| 1/36 | . . Cutting wrapped bunches to length | 5/20 | . . Reels; Supports for bobbins; Other accessories |
| 1/38 | . Final treatment of cigars, e.g. sorting | 5/22 | . . Creasing the paper seam |
| 1/383 | . . {Final drying of cigars} | 5/24 | . . Pasting the seam |
| 1/386 | . . {Perforating cigars} | 5/26 | . . Drying the seam |
| 1/40 | . . Delustering or powdering cigars | 5/28 | . . Cutting-off the tobacco rod |
| 1/42 | . . Marking, printing, or decorating cigars | 5/30 | . . . Machines combined with devices for grinding the knives |
| 1/44 | . . Bundling and pressing devices for 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 |
| 3/00 | Complete manufacture of cigars; Combinations of two or more elements of cigar manufacture | 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 |
| 5/00 | Making cigarettes; Making tipping materials for, or attaching filters or mouthpieces to, cigars or cigarettes | 5/321 | . . {Counting means} |
| 5/002 | . {Feeding arrangements for individual paper wrappers} | | |
| 5/005 | . {Treatment of cigarette paper} | | |
| 5/007 | . . {Perforating} | | |

- 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}