

CPC COOPERATIVE PATENT CLASSIFICATION

A HUMAN NECESSITIES

FOODSTUFFS; TOBACCO

A24 TOBACCO; CIGARS; CIGARETTES; SMOKERS' REQUISITES

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

		5/04	. . with continuous rod (A24C 5/14 takes precedence)
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)	5/06	. . 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
1/02	. Tobacco-feeding devices with or without means for dividing the tobacco into measured quantities	5/14	. Machines of the continuous-rod type (tobacco feeding devices A24C 5/39)
1/04	. Devices for cutting cigar binders or wrappers	5/18	. . Forming the rod
1/045	. . {Safety devices therefor}	5/1807	. . . {with compressing means, e.g. garniture}
1/08	. Making tobacco bunches	5/1814	. . . {containing parts of different densities, e.g. dense ends}
1/10	. . Bunch-making machines with aprons and tables for wrapping	5/1821	. . . {containing different tobacco mixtures, e.g. composite rods}
1/12	. . Bunch-making machines with wrapping rollers	5/1828	. . . {by cutting tobacco sheet material}
1/14	. . Bunch-making machines with grippers	5/1835	. . . {Multiple rod making devices}
1/16	. Treating bunches	5/1842	. . . {Trimming devices}
1/18	. . Moulds or presses for cigar bunches	5/185	. . . {Separating devices, e.g. winnowing, removing impurities}
1/20	. . . Rotating moulds for cigar bunches	5/1857	. . . {Belt construction or driving means}
1/22	. . Rolling formed bunches	5/1864	. . . {Conditioning means, e.g. drying}
1/24	. . Cutting bunches to length	5/1871	. . . {Devices for regulating the tobacco quantity}
1/26	. Applying the wrapper	5/1878	. . . {for oval cigarettes}
1/28	. . Wrapper transferring mechanisms	5/1885	. . . {for cigarettes with an axial air duct}
1/30	. . Devices for applying the wrapper to the bunch	5/1892	. . . {with additives, e.g. binding agent, flavorants}
1/32	. . Devices for forming the tips of cigars (filter-tips, mouthpieces A24D 3/00)	5/20	. . Reels; Supports for bobbins; Other accessories
1/34	. . Adhesive-applying means	5/22	. . Creasing the paper seam
1/36	. . Cutting wrapped bunches to length	5/24	. . Pasting the seam
1/38	. Final treatment of cigars, e.g. sorting	5/26	. . Drying the seam
1/383	. . {Final drying of cigars}	5/28	. . Cutting-off the tobacco rod
1/386	. . {Perforating cigars}	5/30	. . . Machines combined with devices for grinding the knives
1/40	. . Delustering or powdering 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
1/42	. . Marking, printing, or decorating cigars	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)
1/44	. . Bundling and pressing devices for cigars	5/321	. . {Counting means}
3/00	Complete manufacture of cigars; Combinations of two or more elements of cigar manufacture	5/322	. . {Transporting cigarettes during manufacturing}
5/00	Making cigarettes; Making tipping materials for, or attaching filters or mouthpieces to, cigars or cigarettes	5/323	. . . {pneumatically}
5/002	. {Feeding arrangements for individual paper wrappers}	5/325	. . . {from a hopper}
5/005	. {Treatment of cigarette paper}		
5/007	. . {Perforating}		
5/02	. Cigarette-filling machines		

- 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}