

# 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

- |             |  |        |  |
|-------------|--|--------|--|
| <b>1/00</b> | <b>Elements of cigar manufacture</b> (combinations of two or more elements of cigar manufacture <a href="#">A24C 3/00</a> ; attaching or incorporating filters or mouthpieces <a href="#">A24C 5/47</a> , <a href="#">A24C 5/52</a> ; cutting machines in general <a href="#">B26D</a> ) | 5/01   | . Making cigarettes for simulated smoking devices  |
|             |  | 5/02   | . Cigarette-filling machines   |
|             |  | 5/04   | . . with continuous rod ( <a href="#">A24C 5/14</a> 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   |
|             |  | 5/14   | . Machines of the continuous-rod type (tobacco feeding devices <a href="#">A24C 5/39</a> )   |
| 1/02        | . Tobacco-feeding devices with or without means for dividing the tobacco into measured quantities  | 5/18   | . . Forming the rod  |
| 1/04        | . Devices for cutting cigar binders or wrappers  | 5/1807 | . . . {with compressing means, e.g. garniture}   |
| 1/045       | . . {Safety devices therefor}  | 5/1814 | . . . {containing parts of different densities, e.g. dense ends}   |
| 1/08        | . Making tobacco bunches   | 5/1821 | . . . {containing different tobacco mixtures, e.g. composite rods}   |
| 1/10        | . . Bunch-making machines with aprons and tables for wrapping  | 5/1828 | . . . {by cutting tobacco sheet material}  |
| 1/12        | . . Bunch-making machines with wrapping rollers  | 5/1835 | . . . {Multiple rod making devices}  |
| 1/14        | . . Bunch-making machines with grippers  | 5/1842 | . . . {Trimming devices}   |
| 1/16        | . Treating bunches   | 5/185  | . . . {Separating devices, e.g. winnowing, removing impurities}  |
| 1/18        | . . Moulds or presses for cigar bunches  | 5/1857 | . . . {Belt construction or driving means}   |
| 1/20        | . . . Rotating moulds for cigar bunches  | 5/1864 | . . . {Conditioning means, e.g. drying}  |
| 1/22        | . . Rolling formed bunches   | 5/1871 | . . . {Devices for regulating the tobacco quantity}  |
| 1/24        | . . Cutting bunches to length  | 5/1878 | . . . {for oval cigarettes}  |
| 1/26        | . Applying the wrapper   | 5/1885 | . . . {for cigarettes with an axial air duct}  |
| 1/28        | . . Wrapper transferring mechanisms  | 5/1892 | . . . {with additives, e.g. binding agent, flavorants}   |
| 1/30        | . . Devices for applying the wrapper to the bunch  | 5/20   | . . Reels; Supports for bobbins; Other accessories   |
| 1/32        | . . Devices for forming the tips of cigars (filter-tips, mouthpieces <a href="#">A24D 3/00</a> )   | 5/22   | . . Creasing the paper seam  |
| 1/34        | . . Adhesive-applying means  | 5/24   | . . Pasting the seam   |
| 1/36        | . . Cutting wrapped bunches to length  | 5/26   | . . Drying the seam  |
| 1/38        | . Final treatment of cigars, e.g. sorting  | 5/28   | . . Cutting-off the tobacco rod  |
| 1/383       | . . {Final drying of cigars}   | 5/30   | . . . Machines combined with devices for grinding the knives   |
| 1/386       | . . {Perforating 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                           |
| 1/40        | . . Delustering or powdering cigars  | 5/32   | . Separating, ordering, counting or examining cigarettes (in relation to packaging <a href="#">B65B 19/00</a> ); Regulating the feeding of tobacco according to rod or cigarette condition |
| 1/42        | . . Marking, printing, or decorating cigars  | 5/321  | . . {Counting means}   |
| 1/44        | . . Bundling and pressing devices for cigars   |        |  |
| <b>3/00</b> | <b>Complete manufacture of cigars; Combinations of two or more elements of cigar manufacture</b>   |        |  |
| <b>5/00</b> | <b>Making cigarettes; Making tipping materials for, or attaching filters or mouthpieces to, cigars or cigarettes</b>   |        |  |
| 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}