CPC  COOPERATIVE PATENT CLASSIFICATION

A  HUMAN NECESSITIES

FOODSTUFFS; TOBACCO

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

(A24C)

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 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-applyng 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]
Making 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

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}

**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.

5/3412 . . . {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}