

SECTION A — HUMAN NECESSITIES

A24 TOBACCO; CIGARS; CIGARETTES; SMOKERS' REQUISITES

A24B MANUFACTURE OR PREPARATION OF TOBACCO FOR SMOKING OR CHEWING; TOBACCO; SNUFF

Subclass index

PREPARATION.....	1/00, 3/00
STRIPPING; CUTTING; HUMIDIFYING.....	5/00, 7/00, 3/00, 9/00
TWISTING MACHINES.....	11/00
CHEMICAL TREATMENT.....	15/00
TOBACCO.....	13/00

1/00	Preparation of tobacco on the plantation (harvesters for tobacco A01D 45/16)	7/00	Cutting tobacco (hand-cutting tools B26B; slicing in general B26D 1/00, B26D 3/00)
1/02	• Arrangements in barns for preparatory treatment of the tobacco, e.g. with devices for drying	7/02	• by machines with reciprocating knives
1/04	• Sifting, sorting, cleaning or removing impurities from tobacco (purifying by sifting or sorting in general B07B)	7/04	• by machines with revolving knives
1/06	• Stringing tobacco leaves	7/06	• • with two co-operating sets of knife discs
1/08	• Suspending devices for tobacco leaves	7/08	• • with several knives which act one after the other
1/10	• Packing or pressing tobacco	7/10	• • • with cutter axes parallel to the feeding direction
		7/12	• • • with cutter axes transverse to the feeding direction
		7/14	• Feeding or regulating devices for tobacco-cutting apparatus
3/00	Preparing tobacco in the factory	9/00	Control of the moisture content of tobacco products, e.g. cigars, cigarettes, pipe tobacco (devices for use by the smoker for controlling the moisture content of tobacco products A24F 25/00)
3/02	• Humidifying packed raw tobacco (containers for packaging contents in moist condition B65D 81/22)	11/00	Tobacco-twisting machines
3/04	• Humidifying or drying tobacco bunches or cut tobacco (A24B 3/12 takes precedence)	13/00	Tobacco for pipes, for cigars, e.g. cigar inserts, or for cigarettes; Chewing tobacco; Snuff (mechanical treatment A24B 3/00-A24B 11/00; reconstituted tobacco products A24B 3/14; chemical features or treatment of tobacco A24B 15/00)
3/06	• Loosening tobacco leaves or cut tobacco (A24B 3/07 takes precedence)	13/02	• Flakes or shreds of tobacco
3/07	• Cutting or removing tie leaves; Cutting-off stem butts	15/00	Chemical features or treatment of tobacco; Tobacco substitutes (A24B 3/00 takes precedence)
3/08	• Blending tobacco	15/10	• Chemical features of tobacco products or tobacco substitutes [3]
3/10	• Roasting or cooling tobacco	15/12	• • of reconstituted tobacco [3]
3/12	• Steaming, curing, or flavouring tobacco	15/14	• • • made of tobacco and a binding agent not derived from tobacco [3]
3/14	• Forming reconstituted tobacco products, e.g. wrapper materials, sheets, imitation leaves, rods, cakes; Forms of such products (delustering A24C 1/40; tobacco or cigarette paper D21H)	15/16	• • of tobacco substitutes [3]
3/16	• Classifying or aligning leaves	15/18	• Treatment of tobacco products or tobacco substitutes [3]
3/18	• Other treatment of leaves, e.g. puffing, crimpling, cleaning	15/20	• • Biochemical treatment [3]
5/00	Stripping tobacco; Treatment of stems or ribs	15/22	• • by application of electric or wave energy or particle radiation [3]
5/02	• by plucking out the stem	15/24	• • • by extraction; Tobacco extracts [3]
5/04	• by cutting out the stem	15/26	• • • Use of organic solvents for extraction [3]
5/06	• by stripping leaf-parts from the stem	15/28	• • by chemical substances [3]
5/08	• by cutting-off, shaving off, pressing flat the thick parts of stems or ribs		
5/10	• by crushing the leaves with subsequent separating		
5/12	• Auxiliary devices for stripping		
5/14	• Flattening machines for leaves or stems		
5/16	• Other treatment of stems or ribs, e.g. bending, chopping, incising (humidifying A24B 3/04)		

Note(s)

In groups A24B 15/30-A24B 15/42, in the absence of an indication to the contrary, classification is made in the last appropriate place for a substance.

- 15/30 • • • by organic substances [3]
 15/32 • • • • by acyclic compounds [3]

- 15/34 • • • • containing a carbocyclic ring other than a six-membered aromatic ring [3]
 15/36 • • • • containing a heterocyclic ring [3]
 15/38 • • • • • having only nitrogen as hetero-atoms [3]
 15/40 • • • • • having only oxygen or sulfur as hetero-atoms [3]
 15/42 • • • by organic and inorganic substances [3]

A24C MACHINES FOR MAKING CIGARS OR CIGARETTES**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
 1/08 • 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 (drying cigars A24B 9/00)
 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 [3]

- 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
 5/14 • Machines of the continuous-rod type (tobacco feeding devices A24C 5/39)
 5/18 • • Forming the rod
 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
 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 (investigating or analysing materials by determining their chemical or physical properties G01N; controlling in general G05)
 5/33 • • Catching or ordering devices
 5/34 • • Examining cigarettes or the rod, e.g. for regulating the feeding of tobacco; Removing defective cigarettes
 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)
 5/40 • Hand-driven apparatus for making cigarettes
 5/42 • • Pocket cigarette-fillers
 5/44 • • Pocket cigarette-rollers
 5/46 • Making paper tubes for cigarettes (making paper tubes in general B31C)
 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) [3]
 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)
 5/58 • • Applying the tipping materials

- 5/60 • Final treatment of cigarettes, e.g. marking, printing, branding, decorating

A24D CIGARS; CIGARETTES; TOBACCO SMOKE FILTERS; MOUTHPIECES FOR CIGARS OR CIGARETTES; MANUFACTURE OF TOBACCO SMOKE FILTERS OR MOUTHPIECES

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| <p>1/00 Cigars; Cigarettes
 1/02 • with special covers
 1/04 • with mouthpieces or filter-tips (mouthpieces, filter-tips <u>per se</u> A24D 3/00)
 1/08 • with lighting means (pyrophoric compositions C06C 15/00; lighters <u>per se</u> F23Q)
 1/10 • with extinguishers
 1/12 • with ash-retaining attachments, holders, or other equipment
 1/14 • Tobacco cartridges for pipes
 1/16 • Bands for cigars or cigarettes (machines for applying bands B65C)
 1/18 • Selection of materials, other than tobacco, suitable for smoking</p> <p>3/00 Tobacco smoke filters, e.g. filter-tips, filtering inserts (filters in general B01D); Mouthpieces for cigars or cigarettes (for pipes, for cigar or cigarette holders A24F 7/00) [3]</p> | <p>3/02 • Manufacture of tobacco smoke filters (manufacture of paper or cellulosic materials for filters D21) [3]
 3/04 • Tobacco smoke filters characterised by their shape or structure [3]
 3/06 • Use of materials for tobacco smoke filters [3]
 3/08 • • of organic materials as carrier or major constituent (of ion exchange materials A24D 3/12) [3]
 3/10 • • • of cellulose or cellulose derivatives [3]
 3/12 • • of ion exchange materials [3]
 3/14 • • of organic materials as additive (of ion exchange materials A24D 3/12) [3]
 3/16 • • of inorganic materials [3]
 3/18 • Mouthpieces for cigars or cigarettes; Manufacture thereof (A24D 3/02 takes precedence; making tipping materials for, or attaching them to mouthpieces of, cigars or cigarettes A24C 5/56; producing cigar or cigarette holders from plastics or from substances in a plastic state B29D 23/14; manufacture from metal, <u>see</u> the relevant subclasses of Section B) [3]</p> |
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A24F SMOKERS' REQUISITES; MATCH BOXES (lighters F23Q)

Subclass index

TOBACCO PIPES; MOUTHPIECES

General structure.....	1/00
Special pipes.....	1/28, 1/30, 3/00
Bowls; mouthpieces.....	5/00, 7/00
Accessories; seasoning.....	9/00, 11/00

APPLIANCES FOR SMOKING CIGARS OR CIGARETTES.....13/00, 15/00, 17/00

MATCH RECEPTACLES OR BOXES.....27/00, 29/00

OTHER SMOKERS' REQUISITES.....19/00-25/00, 31/00, 47/00

Tobacco pipes

- 1/00 Tobacco pipes** (bee-keepers' pipes A01K 55/00)
1/02 • with arrangements for cleaning or cooling the smoke (hookahs A24F 1/30)
1/04 • • with smoke chamber or slobber traps
1/06 • • • inside the pipe
1/08 • • • • inside the stem
1/10 • • • • inside the bowl
1/12 • • • outside the pipe
1/14 • • • • with liquid-container
1/16 • • with zigzag or like passages for the smoke
1/18 • • with non-absorbent linings
1/20 • • with absorbent linings
1/22 • • with arrangements for cooling by air, e.g. pipes with double walls
1/24 • for burning the tobacco from below
1/26 • with filling devices
1/28 • Tubular pipes, e.g. in the form of cigars
1/30 • Hookahs
1/32 • Selection of materials for pipes

- 3/00 Tobacco pipes combined with other objects** (smoking appliances on walking sticks or canes A45B 3/16)
3/02 • with cleaning appliances

Component parts or accessories for pipes; Mouthpieces

- 5/00 Bowls for pipes**
5/02 • with arrangements for keeping upright, when put aside
5/04 • with holes for admitting air
5/06 • with insets of clay or the like
5/08 • • with grates, sieves, or the like
5/10 • Bowl-covers, attached and removable
5/12 • • with attached stoppers
5/14 • • with wind screens
- 7/00 Mouthpieces for pipes; Mouthpieces for cigar or cigarette holders**
7/02 • with detachable connecting members
7/04 • with smoke filters (filters therefor A24D 3/00)
- 9/00 Accessories for smokers' pipes**

A24F

- 9/02 • Tobacco stoppers, i.e. devices for tamping tobacco down into the pipe (combined with tobacco cases A24F 23/04)
- 9/04 • Cleaning devices for pipes (combined with pipes A24F 3/02)
- 9/06 • • for stems, e.g. brushes, needles, strings
- 9/08 • • Cleaning-sets
- 9/10 • • for bowls, e.g. scrapers, bowl-cleaners with cutting-teeth
- 9/12 • • Devices for cleaning tobacco pipes by steam, air, or water
- 9/14 • Stands or supports for tobacco pipes
- 9/16 • Protective coverings or cases for pipes or parts thereof

11/00 Seasoning of tobacco pipes

13/00 Appliances for smoking cigars or cigarettes

- 13/02 • Cigar or cigarette holders (mouthpieces A24F 7/00)
- 13/04 • • with arrangements for cleaning or cooling the smoke (hookahs A24F 1/30)
- 13/06 • • • with smoke filters (filters therefor A24D 3/00)
- 13/08 • • with special devices, e.g. spikes or grippers, for holding the cigars or cigarettes
- 13/10 • • with end-ejectors
- 13/12 • • combined with other objects, e.g. writing utensils (combined with walking or umbrella sticks A45B 3/16)
- 13/14 • • Protecting cases
- 13/16 • Safety sleeves for cigars or cigarettes preventing damage by glowing ash
- 13/18 • Extinguishers for cigars or cigarettes
- 13/20 • • Means for cutting-off the glowing ash
- 13/22 • Supports for holding cigars or cigarettes while smoking
- 13/24 • Cigar cutters, slitters, or perforators, e.g. combined with lighters (combined with hand-shears or scissors B26B 13/22)
- 13/26 • • formed as pocket devices
- 13/28 • Devices for blowing through cigars
- 13/30 • Arrangements for producing smoke images or rings (smoke toys A63H 33/28)

15/00 Cigar or cigarette receptacles or boxes (adaptations for use in vehicles B60N 3/12; packages B65D)

- 15/02 • for domestic use
- 15/04 • • with appliances for releasing a single cigar or cigarette
- 15/06 • • with means for offering (A24F 15/04 takes precedence) [2]
- 15/08 • • combined with other objects
- 15/10 • • • with lighters
- 15/12 • for pocket use
- 15/14 • • with appliances for releasing a single cigar or cigarette
- 15/16 • • with means for offering (A24F 15/14 takes precedence) [2]

- 15/18 • • combined with other objects
- 15/20 • with separate compartments for each cigar or cigarette

17/00 Receptacles for cigarette papers

Other smokers' requisites

19/00 Ash-trays (arrangements in vehicle passenger accommodation B60N 3/08)

- 19/02 • with removable insets
- 19/04 • with depressible false floor
- 19/06 • with tiltable bowl or false floor
- 19/08 • with slidably mounted false floor
- 19/09 • with automatically-acting safety devices, e.g. heat-responsive
- 19/10 • combined with other articles (A24F 15/08 takes precedence)
- 19/12 • • with match-boxes
- 19/14 • • with extinguishers

21/00 Stands for smokers' requisites

23/00 Cases for tobacco, snuff, or chewing tobacco

- 23/02 • Tobacco pouches
- 23/04 • • combined with other objects, e.g. with filling devices for pipes

25/00 Devices used by the smoker for controlling the moisture content of, or for scenting, cigars, cigarettes or tobacco (humidifying in the factory A24B 3/04)

- 25/02 • Moistening devices

27/00 Match receptacles or boxes (packages B65D; composition of strike-surfaces, matches C06F)

- 27/02 • with means for storing the matches separately
- 27/04 • Protective coverings for match receptacles
- 27/06 • with wind-guards
- 27/08 • Stands for match-boxes (A24F 27/10 takes precedence)
- 27/10 • Receptacles for matches or match-boxes to be supported on the wall
- 27/12 • Match-books
- 27/14 • Match dispensers; Dispensers for matches arranged on strips (dispensing aspects in general B65D 83/00)
- 27/16 • • for pocket use
- 27/18 • • • with means preventing spontaneous ignition
- 27/20 • • • with means for igniting the match as it is dispensed
- 27/22 • • for domestic use
- 27/24 • • • with means preventing spontaneous ignition
- 27/26 • • • with means for igniting the match as it is dispensed; Match strip lighters

29/00 Devices for igniting matches; Holders for ignited matches

31/00 Pipe-spills; Devices for splitting matches

47/00 Smokers' requisites not provided for elsewhere