

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

<b>1/00</b>	<b>Preparation of tobacco on the plantation</b> (harvesters for tobacco A01D 45/16)	<b>7/12</b>	. . . with cutter axes transverse to the feeding direction
<b>1/02</b>	. Arrangements in barns for preparatory treatment of the tobacco, e.g. with devices for drying	<b>7/14</b>	. Feeding or regulating devices for tobacco-cutting apparatus
<b>1/04</b>	. Sifting, sorting, cleaning or removing impurities from tobacco (purifying by sifting or sorting in general B07B)	<b>9/00</b>	<b>Control of the moisture content of tobacco products, e.g. cigars, cigarettes, pipe tobacco</b> (devices for use by the smoker for controlling the moisture content of tobacco products A24F 25/00)
<b>1/06</b>	. Stringing tobacco leaves	<b>11/00</b>	<b>Tobacco-twisting machines</b>
<b>1/08</b>	. Suspending devices for tobacco leaves	<b>13/00</b>	<b>Tobacco for pipes, for cigars, e.g. cigar inserts, or for cigarettes; Chewing tobacco; Snuff</b> (mechanical treatment A24B 3/00 to A24B 11/00; reconstituted tobacco products A24B 3/14; chemical features or treatment of tobacco A24B 15/00)
<b>1/10</b>	. Packing or pressing tobacco	<b>13/02</b>	. Flakes or shreds of tobacco
<b>3/00</b>	<b>Preparing tobacco in the factory</b>	<b>15/00</b>	<b>Chemical features or treatment of tobacco; Tobacco substitutes</b> (A24B 3/00 takes precedence)
<b>3/02</b>	. Humidifying packed raw tobacco (containers for packaging contents in moist condition B65D 81/22)	<b>15/10</b>	. Chemical features of tobacco products or tobacco substitutes [3]
<b>3/04</b>	. Humidifying or drying tobacco bunches or cut tobacco (A24B 3/12 takes precedence)	<b>15/12</b>	. . . of reconstituted tobacco [3]
<b>3/06</b>	. Loosening tobacco leaves or cut tobacco (A24B 3/07 takes precedence)	<b>15/14</b>	. . . made of tobacco and a binding agent not derived from tobacco [3]
<b>3/07</b>	. Cutting or removing tie leaves; Cutting-off stem butts	<b>15/16</b>	. . . of tobacco substitutes [3]
<b>3/08</b>	. Blending tobacco	<b>15/18</b>	. Treatment of tobacco products or tobacco substitutes [3]
<b>3/10</b>	. Roasting or cooling tobacco	<b>15/20</b>	. . . Biochemical treatment [3]
<b>3/12</b>	. Steaming, curing, or flavouring tobacco	<b>15/22</b>	. . . by application of electric or wave energy or particle radiation [3]
<b>3/14</b>	. 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)	<b>15/24</b>	. . . by extraction; Tobacco extracts [3]
<b>3/16</b>	. Classifying or aligning leaves	<b>15/26</b>	. . . . Use of organic solvents for extraction [3]
<b>3/18</b>	. Other treatment of leaves, e.g. puffing, crimpling, cleaning	<b>15/28</b>	. . . by chemical substances [3]
<b>5/00</b>	<b>Stripping tobacco; Treatment of stems or ribs</b>	<b>Note</b>	In groups A24B 15/30 to A24B 15/42, in the absence of an indication to the contrary, classification is made in the last appropriate place for a substance. [3]
<b>5/02</b>	. by plucking out the stem	<b>15/30</b>	. . . by organic substances [3]
<b>5/04</b>	. by cutting out the stem	<b>15/32</b>	. . . . by acyclic compounds [3]
<b>5/06</b>	. by stripping leaf-parts from the stem	<b>15/34</b>	. . . . containing a carbocyclic ring other than a six-membered aromatic ring [3]
<b>5/08</b>	. by cutting-off, shaving off, pressing flat the thick parts of stems or ribs	<b>15/36</b>	. . . . containing a heterocyclic ring [3]
<b>5/10</b>	. by crushing the leaves with subsequent separating	<b>15/38</b>	. . . . . having only nitrogen as hetero-atoms [3]
<b>5/12</b>	. Auxiliary devices for stripping	<b>15/40</b>	. . . . . having only oxygen or sulfur as hetero-atoms [3]
<b>5/14</b>	. Flattening machines for leaves or stems	<b>15/42</b>	. . . . by organic and inorganic substances [3]
<b>5/16</b>	. Other treatment of stems or ribs, e.g. bending, chopping, incising (humidifying A24B 3/04)		
<b>7/00</b>	<b>Cutting tobacco</b> (hand-cutting tools B26B; slicing in general B26D 1/00, B26D 3/00)		
<b>7/02</b>	. by machines with reciprocating knives		
<b>7/04</b>	. by machines with revolving knives		
<b>7/06</b>	. . with two co-operating sets of knife discs		
<b>7/08</b>	. . with several knives which act one after the other		
<b>7/10</b>	. . . with cutter axes parallel to the feeding direction		

## 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**

**1/00 Cigars; Cigarettes**

- 1/02 . with special covers
- 1/04 . with mouthpieces or filter-tips (mouthpieces, filter-tips per se A24D 3/00)

- 1/08 . with lighting means (pyrophoric compositions C06C 15/00; lighters per se 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
- 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]
- 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, see the relevant subclasses of Section B) [3]

## 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
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MATCH RECEPTACLES OR BOXES .....	27/00, 29/00
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OTHER SMOKERS' REQUISITES .....	19/00 to 25/00, 31/00, 47/00
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### 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**

- 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

## A24F

- 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