

## 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

<b>1/00</b>	<b>Preparation of tobacco on the plantation</b> (harvesters for tobacco A01D 45/16) [ <b>1, 2006.01</b> ]	5/16	• Other treatment of stems or ribs, e.g. bending, chopping, incising (humidifying A24B 3/04) [ <b>1, 2006.01</b> ]
1/02	• Arrangements in barns for preparatory treatment of the tobacco, e.g. with devices for drying [ <b>1, 2006.01</b> ]		
1/04	• Sifting, sorting, cleaning or removing impurities from tobacco (purifying by sifting or sorting in general B07B) [ <b>1, 2006.01</b> ]	<b>7/00</b>	<b>Cutting tobacco</b> (hand-cutting tools B26B; slicing in general B26D 1/00, B26D 3/00) [ <b>1, 2006.01</b> ]
1/06	• Stringing tobacco leaves [ <b>1, 2006.01</b> ]	7/02	• by machines with reciprocating knives [ <b>1, 2006.01</b> ]
1/08	• Suspending devices for tobacco leaves [ <b>1, 2006.01</b> ]	7/04	• by machines with revolving knives [ <b>1, 2006.01</b> ]
1/10	• Packing or pressing tobacco [ <b>1, 2006.01</b> ]	7/06	• • with two co-operating sets of knife discs [ <b>1, 2006.01</b> ]
<b>3/00</b>	<b>Preparing tobacco in the factory</b> [ <b>1, 2006.01</b> ]	7/08	• • with several knives which act one after the other [ <b>1, 2006.01</b> ]
3/02	• Humidifying packed raw tobacco (containers for packaging contents in moist condition B65D 81/22) [ <b>1, 2006.01</b> ]	7/10	• • • with cutter axes parallel to the feeding direction [ <b>1, 2006.01</b> ]
3/04	• Humidifying or drying tobacco bunches or cut tobacco (A24B 3/12 takes precedence) [ <b>1, 2006.01</b> ]	7/12	• • • with cutter axes transverse to the feeding direction [ <b>1, 2006.01</b> ]
3/06	• Loosening tobacco leaves or cut tobacco (A24B 3/07 takes precedence) [ <b>1, 2006.01</b> ]	7/14	• Feeding or regulating devices for tobacco-cutting apparatus [ <b>1, 2006.01</b> ]
3/07	• Cutting or removing tie leaves; Cutting-off stem butts [ <b>1, 2006.01</b> ]	<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, 2006.01</b> ]
3/08	• Blending tobacco [ <b>1, 2006.01</b> ]		
3/10	• Roasting or cooling tobacco [ <b>1, 2006.01</b> ]	<b>11/00</b>	<b>Tobacco-twisting machines</b> [ <b>1, 2006.01</b> ]
3/12	• Steaming, curing, or flavouring tobacco [ <b>1, 2006.01</b> ]	<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-A24B 11/00; reconstituted tobacco products A24B 3/14; chemical features or treatment of tobacco A24B 15/00) [ <b>1, 2006.01</b> ]
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) [ <b>1, 2006.01</b> ]	13/02	• Flakes or shreds of tobacco [ <b>1, 2006.01</b> ]
3/16	• Classifying or aligning leaves [ <b>1, 2006.01</b> ]	<b>15/00</b>	<b>Chemical features or treatment of tobacco; Tobacco substitutes</b> (A24B 3/00 takes precedence) [ <b>1, 2006.01</b> ]
3/18	• Other treatment of leaves, e.g. puffing, crimpling, cleaning [ <b>1, 2006.01</b> ]	15/10	• Chemical features of tobacco products or tobacco substitutes [ <b>3, 2006.01</b> ]
<b>5/00</b>	<b>Stripping tobacco; Treatment of stems or ribs</b> [ <b>1, 2006.01</b> ]	15/12	• • of reconstituted tobacco [ <b>3, 2006.01</b> ]
5/02	• by plucking out the stem [ <b>1, 2006.01</b> ]	15/14	• • • made of tobacco and a binding agent not derived from tobacco [ <b>3, 2006.01</b> ]
5/04	• by cutting out the stem [ <b>1, 2006.01</b> ]	15/16	• • of tobacco substitutes [ <b>3, 2006.01</b> ]
5/06	• by stripping leaf-parts from the stem [ <b>1, 2006.01</b> ]	15/18	• Treatment of tobacco products or tobacco substitutes [ <b>3, 2006.01</b> ]
5/08	• by cutting-off, shaving off, pressing flat the thick parts of stems or ribs [ <b>1, 2006.01</b> ]	15/20	• • Biochemical treatment [ <b>3, 2006.01</b> ]
5/10	• by crushing the leaves with subsequent separating [ <b>1, 2006.01</b> ]		
5/12	• Auxiliary devices for stripping [ <b>1, 2006.01</b> ]		
5/14	• Flattening machines for leaves or stems [ <b>1, 2006.01</b> ]		

## A24B

- 15/22 • • by application of electric or wave energy or particle radiation [3, 2006.01]
- 15/24 • • by extraction; Tobacco extracts [3, 2006.01]
- 15/26 • • • Use of organic solvents for extraction [3, 2006.01]
- 15/28 • • by chemical substances [3, 2006.01]

### Note(s) [3]

In groups A24B 15/30-A24B 15/42, the last place priority rule is applied, i.e. at each hierarchical level, 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, 2006.01]
- 15/32 • • • • by acyclic compounds [3, 2006.01]
- 15/34 • • • • containing a carbocyclic ring other than a six-membered aromatic ring [3, 2006.01]
- 15/36 • • • • containing a heterocyclic ring [3, 2006.01]
- 15/38 • • • • • having only nitrogen as hetero-atoms [3, 2006.01]
- 15/40 • • • • • having only oxygen or sulfur as hetero-atoms [3, 2006.01]
- 15/42 • • • by organic and inorganic substances [3, 2006.01]

## 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, 2006.01]
- 1/02 • Tobacco-feeding devices with or without means for dividing the tobacco into measured quantities [1, 2006.01]
- 1/04 • Devices for cutting cigar binders or wrappers [1, 2006.01]
- 1/08 • Making tobacco bunches [1, 2006.01]
- 1/10 • • Bunch-making machines with aprons and tables for wrapping [1, 2006.01]
- 1/12 • • Bunch-making machines with wrapping rollers [1, 2006.01]
- 1/14 • • Bunch-making machines with grippers [1, 2006.01]
- 1/16 • Treating bunches [1, 2006.01]
- 1/18 • • Moulds or presses for cigar bunches [1, 2006.01]
- 1/20 • • • Rotating moulds for cigar bunches [1, 2006.01]
- 1/22 • • • Rolling formed bunches [1, 2006.01]
- 1/24 • • • Cutting bunches to length [1, 2006.01]
- 1/26 • Applying the wrapper [1, 2006.01]
- 1/28 • • Wrapper transferring mechanisms [1, 2006.01]
- 1/30 • • Devices for applying the wrapper to the bunch [1, 2006.01]
- 1/32 • • Devices for forming the tips of cigars (filter tips, mouthpieces A24D 3/00) [1, 2006.01]
- 1/34 • • Adhesive-applying means [1, 2006.01]
- 1/36 • • Cutting wrapped bunches to length [1, 2006.01]
- 1/38 • Final treatment of cigars, e.g. sorting (drying cigars A24B 9/00) [1, 2006.01]
- 1/40 • • Delustering or powdering cigars [1, 2006.01]
- 1/42 • • Marking, printing, or decorating cigars [1, 2006.01]
- 1/44 • • Bundling and pressing devices for cigars [1, 2006.01]
- 3/00 **Complete manufacture of cigars; Combinations of two or more elements of cigar manufacture** [1, 2006.01]

### 5/00 Making cigarettes; Making tipping materials for, or attaching filters or mouthpieces to, cigars or cigarettes [1, 3, 2006.01]

- 5/02 • Cigarette-filling machines [1, 2006.01]
- 5/04 • • with continuous rod (A24C 5/14 takes precedence) [1, 2006.01]
- 5/06 • • with pressing-chamber [1, 2006.01]
- 5/08 • Machines with aprons and tables for wrapping [1, 2006.01]
- 5/10 • Machines with wrapping rollers [1, 2006.01]
- 5/12 • Cutting the ends of filled and rolled cigarettes [1, 2006.01]
- 5/14 • Machines of the continuous-rod type (tobacco feeding devices A24C 5/39) [1, 2006.01]
- 5/18 • • Forming the rod [1, 2006.01]
- 5/20 • • Reels; Supports for bobbins; Other accessories [1, 2006.01]
- 5/22 • • Creasing the paper seam [1, 2006.01]
- 5/24 • • Pasting the seam [1, 2006.01]
- 5/26 • • Drying the seam [1, 2006.01]
- 5/28 • • Cutting-off the tobacco rod [1, 2006.01]
- 5/30 • • • Machines combined with devices for grinding the knives [1, 2006.01]
- 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, 2006.01]
- 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, 2006.01]
- 5/33 • • Catching or ordering devices [1, 2006.01]
- 5/34 • • Examining cigarettes or the rod, e.g. for regulating the feeding of tobacco; Removing defective cigarettes [1, 2006.01]
- 5/343 • • • by mechanical means, e.g. feelers [1, 2006.01]
- 5/345 • • • Removing defective cigarettes (A24C 5/31 takes precedence) [1, 2006.01]
- 5/35 • Adaptations of conveying apparatus for transporting cigarettes from making machine to packaging machine [1, 2006.01]
- 5/352 • • using containers, i.e. boats [1, 2006.01]
- 5/354 • • • Filling the boats at the making machine [1, 2006.01]

- 5/356 • • • Emptying the boats into the hopper of the packaging machine (hopper construction B65B 19/04) [1, 2006.01]
- 5/358 • • • Boat constructions [1, 2006.01]
- 5/36 • Removing papers or other parts from defective cigarettes [1, 2006.01]
- 5/38 • Machines combined with printing devices [1, 2006.01]
- 5/39 • Tobacco feeding devices (regulating feed according to rod or cigarette condition A24C 5/34) [1, 2006.01]
- 5/40 • Hand-driven apparatus for making cigarettes [1, 2006.01]
- 5/42 • • Pocket cigarette-fillers [1, 2006.01]
- 5/44 • • Pocket cigarette-rollers [1, 2006.01]
- 5/46 • Making paper tubes for cigarettes (making paper tubes in general B31C) [1, 2006.01]
- 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, 2006.01]
- 5/52 • Incorporating filters or mouthpieces into a cigarette rod or a tobacco rod (filters, their manufacture, mouthpieces A24D 3/00) [1, 2006.01]
- 5/54 • Folding the ends of cigarette paper tubes after filling them with tobacco [1, 2006.01]
- 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) [1, 2006.01]
- 5/58 • • Applying the tipping materials [1, 2006.01]
- 5/60 • Final treatment of cigarettes, e.g. marking, printing, branding, decorating [1, 2006.01]

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

- 1/00 **Cigars; Cigarettes** [1, 2006.01]
- 1/02 • with special covers [1, 2006.01]
- 1/04 • with mouthpieces or filter-tips (mouthpieces, filter-tips per se A24D 3/00) [1, 2006.01]
- 1/08 • with lighting means (pyrophoric compositions C06C 15/00; lighters per se F23Q) [1, 2006.01]
- 1/10 • with extinguishers [1, 2006.01]
- 1/12 • with ash-retaining attachments, holders, or other equipment [1, 2006.01]
- 1/14 • Tobacco cartridges for pipes [1, 2006.01]
- 1/16 • Bands for cigars or cigarettes (machines for applying bands B65C) [1, 2006.01]
- 1/18 • Selection of materials, other than tobacco, suitable for smoking [1, 2006.01]
- 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, 2006.01]
- 3/02 • Manufacture of tobacco smoke filters (manufacture of paper or cellulosic materials for filters D21) [3, 2006.01]
- 3/04 • Tobacco smoke filters characterised by their shape or structure [3, 2006.01]
- 3/06 • Use of materials for tobacco smoke filters [3, 2006.01]
- 3/08 • • of organic materials as carrier or major constituent (of ion exchange materials A24D 3/12) [3, 2006.01]
- 3/10 • • • of cellulose or cellulose derivatives [3, 2006.01]
- 3/12 • • of ion exchange materials [3, 2006.01]
- 3/14 • • of organic materials as additive (of ion exchange materials A24D 3/12) [3, 2006.01]
- 3/16 • • of inorganic materials [3, 2006.01]
- 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, 2006.01]

#### 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, 2006.01]
- 1/02 • with arrangements for cleaning or cooling the smoke (hookahs A24F 1/30) [1, 2006.01]
- 1/04 • • with smoke chamber or slobber traps [1, 2006.01]
- 1/06 • • • inside the pipe [1, 2006.01]

- 1/08 • • • • inside the stem [1, 2006.01]
- 1/10 • • • • inside the bowl [1, 2006.01]
- 1/12 • • • outside the pipe [1, 2006.01]
- 1/14 • • • • with liquid-container [1, 2006.01]
- 1/16 • • with zigzag or like passages for the smoke [1, 2006.01]
- 1/18 • • with non-absorbent linings [1, 2006.01]
- 1/20 • • with absorbent linings [1, 2006.01]
- 1/22 • • with arrangements for cooling by air, e.g. pipes with double walls [1, 2006.01]
- 1/24 • for burning the tobacco from below [1, 2006.01]
- 1/26 • with filling devices [1, 2006.01]
- 1/28 • Tubular pipes, e.g. in the form of cigars [1, 2006.01]
- 1/30 • Hookahs [1, 2006.01]
- 1/32 • Selection of materials for pipes [1, 2006.01]
- 3/00 Tobacco pipes combined with other objects** (smoking appliances on walking sticks or canes A45B 3/16) [1, 2006.01]
- 3/02 • with cleaning appliances [1, 2006.01]

#### **Component parts or accessories for pipes; Mouthpieces**

- 5/00 Bowls for pipes** [1, 2006.01]
- 5/02 • with arrangements for keeping upright, when put aside [1, 2006.01]
- 5/04 • with holes for admitting air [1, 2006.01]
- 5/06 • with insets of clay or the like [1, 2006.01]
- 5/08 • • with grates, sieves, or the like [1, 2006.01]
- 5/10 • Bowl-covers, attached and removable [1, 2006.01]
- 5/12 • • with attached stoppers [1, 2006.01]
- 5/14 • • with wind screens [1, 2006.01]
- 7/00 Mouthpieces for pipes; Mouthpieces for cigar or cigarette holders** [1, 2006.01]
- 7/02 • with detachable connecting members [1, 2006.01]
- 7/04 • with smoke filters (filters therefor A24D 3/00) [1, 2006.01]
- 9/00 Accessories for smokers' pipes** [1, 2006.01]
- 9/02 • Tobacco stoppers, i.e. devices for tamping tobacco down into the pipe (combined with tobacco cases A24F 23/04) [1, 2006.01]
- 9/04 • Cleaning devices for pipes (combined with pipes A24F 3/02) [1, 2006.01]
- 9/06 • • for stems, e.g. brushes, needles, strings [1, 2006.01]
- 9/08 • • Cleaning-sets [1, 2006.01]
- 9/10 • • for bowls, e.g. scrapers, bowl-cleaners with cutting-teeth [1, 2006.01]
- 9/12 • • Devices for cleaning tobacco pipes by steam, air, or water [1, 2006.01]
- 9/14 • Stands or supports for tobacco pipes [1, 2006.01]
- 9/16 • Protective coverings or cases for pipes or parts thereof [1, 2006.01]

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#### **11/00 Seasoning of tobacco pipes** [1, 2006.01]

#### **13/00 Appliances for smoking cigars or cigarettes** [1, 2006.01]

- 13/02 • Cigar or cigarette holders (mouthpieces A24F 7/00) [1, 2006.01]
- 13/04 • • with arrangements for cleaning or cooling the smoke (hookahs A24F 1/30) [1, 2006.01]

- 13/06 • • • with smoke filters (filters therefor A24D 3/00) [1, 2006.01]
- 13/08 • • with special devices, e.g. spikes or grippers, for holding the cigars or cigarettes [1, 2006.01]
- 13/10 • • with end-ejectors [1, 2006.01]
- 13/12 • • combined with other objects, e.g. writing utensils (combined with walking or umbrella sticks A45B 3/16) [1, 2006.01]
- 13/14 • • Protecting cases [1, 2006.01]
- 13/16 • Safety sleeves for cigars or cigarettes preventing damage by glowing ash [1, 2006.01]
- 13/18 • Extinguishers for cigars or cigarettes [1, 2006.01]
- 13/20 • • Means for cutting-off the glowing ash [1, 2006.01]
- 13/22 • Supports for holding cigars or cigarettes while smoking [1, 2006.01]
- 13/24 • Cigar cutters, slitters, or perforators, e.g. combined with lighters (combined with hand-shears or scissors B26B 13/22) [1, 2006.01]
- 13/26 • • formed as pocket devices [1, 2006.01]
- 13/28 • Devices for blowing through cigars [1, 2006.01]
- 13/30 • Arrangements for producing smoke images or rings (smoke toys A63H 33/28) [1, 2006.01]

#### **15/00 Cigar or cigarette receptacles or boxes** (adaptations for use in vehicles B60N 3/12; packages B65D) [1, 2006.01]

- 15/02 • for domestic use [1, 2006.01]
- 15/04 • • with appliances for releasing a single cigar or cigarette [1, 2006.01]
- 15/06 • • with means for offering (A24F 15/04 takes precedence) [1, 2, 2006.01]
- 15/08 • • combined with other objects [1, 2006.01]
- 15/10 • • • with lighters [1, 2006.01]
- 15/12 • for pocket use [1, 2006.01]
- 15/14 • • with appliances for releasing a single cigar or cigarette [1, 2006.01]
- 15/16 • • with means for offering (A24F 15/14 takes precedence) [1, 2, 2006.01]
- 15/18 • • combined with other objects [1, 2006.01]
- 15/20 • with separate compartments for each cigar or cigarette [1, 2006.01]

#### **17/00 Receptacles for cigarette papers** [1, 2006.01]

#### **Other smokers' requisites**

- 19/00 Ash-trays** (arrangements in vehicle passenger accommodation B60N 3/08) [1, 2006.01]
- 19/02 • with removable insets [1, 2006.01]
- 19/04 • with depressible false floor [1, 2006.01]
- 19/06 • with tiltable bowl or false floor [1, 2006.01]
- 19/08 • with slidably mounted false floor [1, 2006.01]
- 19/09 • with automatically-acting safety devices, e.g. heat-responsive [1, 2006.01]
- 19/10 • combined with other articles (A24F 15/08 takes precedence) [1, 2006.01]
- 19/12 • • with match-boxes [1, 2006.01]
- 19/14 • • with extinguishers [1, 2006.01]
- 21/00 Stands for smokers' requisites** [1, 2006.01]
- 23/00 Cases for tobacco, snuff, or chewing tobacco** [1, 2006.01]
- 23/02 • Tobacco pouches [1, 2006.01]
- 23/04 • • combined with other objects, e.g. with filling devices for pipes [1, 2006.01]

- 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) **[1, 2006.01]**
- 25/02 • Moistening devices **[1, 2006.01]**
- 27/00 Match receptacles or boxes** (packages B65D; composition of strike-surfaces, matches C06F) **[1, 2006.01]**
- 27/02 • with means for storing the matches separately **[1, 2006.01]**
- 27/04 • Protective coverings for match receptacles **[1, 2006.01]**
- 27/06 • with wind-guards **[1, 2006.01]**
- 27/08 • Stands for match-boxes (A24F 27/10 takes precedence) **[1, 2006.01]**
- 27/10 • Receptacles for matches or match-boxes to be supported on the wall **[1, 2006.01]**
- 27/12 • Match-books **[1, 2006.01]**
- 27/14 • Match dispensers; Dispensers for matches arranged on strips (dispensing aspects in general B65D 83/00) **[1, 2006.01]**
- 27/16 • • for pocket use **[1, 2006.01]**
- 27/18 • • • with means preventing spontaneous ignition **[1, 2006.01]**
- 27/20 • • • with means for igniting the match as it is dispensed **[1, 2006.01]**
- 27/22 • • for domestic use **[1, 2006.01]**
- 27/24 • • • with means preventing spontaneous ignition **[1, 2006.01]**
- 27/26 • • • with means for igniting the match as it is dispensed; Match strip lighters **[1, 2006.01]**
- 29/00 Devices for igniting matches; Holders for ignited matches [1, 2006.01]**
- 31/00 Pipe-spills; Devices for splitting matches [1, 2006.01]**
- 47/00 Smokers' requisites not provided for elsewhere [1, 2006.01]**