

**CPC****COOPERATIVE PATENT CLASSIFICATION****A24B****MANUFACTURE OR PREPARATION OF TOBACCO FOR SMOKING OR CHEWING; TOBACCO; SNUFF****A24B 1/00****Preparation of tobacco on the plantation ( [harvesters for tobacco A01D 45/16](#) )****A24B 1/02**

- . Arrangements in barns for preparatory treatment of the tobacco, e.g. with devices for drying

**A24B 1/04**

- . Sifting, sorting, cleaning or removing impurities from tobacco ( [purifying by sifting or sorting in general B07B](#) )

**A24B 1/06**

- . Stringing tobacco leaves

**A24B 1/08**

- . Suspending devices for tobacco leaves

**A24B 1/10**

- . Packing or pressing tobacco

**A24B 3/00****Preparing tobacco in the factory****A24B 3/02**

- . Humidifying packed raw tobacco ( [containers for packaging contents in moist condition B65D 81/22](#) )

**A24B 3/04**

- . Humidifying or drying tobacco bunches or cut tobacco ( [A24B 3/12](#) takes precedence )

**A24B 3/06**

- . Loosening tobacco leaves or cut tobacco ( [A24B 3/07](#) takes precedence )

**A24B 3/07**

- . Cutting or removing tie leaves; Cutting-off stem butts

**A24B 3/08**

- . Blending tobacco

**A24B 3/10**

- . Roasting or cooling tobacco

**A24B 3/12**

- . Steaming, curing, or flavouring tobacco

**A24B 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](#) )

**A24B 3/16**

- . Classifying or aligning leaves

**A24B 3/18**

- . Other treatment of leaves, e.g. puffing, crimpling, cleaning

**A24B 3/182**

- .. { Puffing }

**A24B 3/185**

- ... { by impregnating with a liquid and subsequently freezing and evaporating this liquid }

**A24B 3/187**

- ... { by electrical treatment }

**A24B 5/00****Stripping tobacco; Treatment of stems or ribs**

- A24B 5/02 . by plucking out the stem
- A24B 5/04 . by cutting out the stem
- A24B 5/06 . by stripping leaf-parts from the stem
- A24B 5/08 . by cutting-off, shaving off, pressing flat the thick parts of stems or ribs
- A24B 5/10 . by crushing the leaves with subsequent separating
- A24B 5/12 . Auxiliary devices for stripping
- A24B 5/14 . Flattening machines for leaves or stems
- A24B 5/16 . Other treatment of stems or ribs, e.g. bending, chopping, incising ( [humidifying A24B 3/04](#) )
  
- A24B 7/00** **Cutting tobacco** ( [hand cutting tools B26B](#); [slicing in general B26D 1/00, B26D 3/00](#) )
- A24B 7/02 . by machines with reciprocating knives
- A24B 7/04 . by machines with revolving knives
- A24B 7/06 . . with two co-operating sets of knife discs
- A24B 7/08 . . with several knives which act one after the other
- A24B 7/10 . . . with cutter axes parallel to the feeding direction
- A24B 7/12 . . . with cutter axes transverse to the feeding direction
- A24B 7/14 . Feeding or regulating devices for tobacco-cutting apparatus
  
- A24B 9/00** **Control of the moisture content of tobacco products, e.g. cigars, cigarettes, pipe tobacco** ( { [final drying of cigars A24C 1/383](#), of [cigarettes A24C 5/603](#) }; [devices for use by the smoker for controlling the moisture content of tobacco products A24F 25/00](#) )
  
- A24B 11/00** **Tobacco-twisting machines**
  
- A24B 13/00** **Tobacco for pipes, for cigars, e.g. cigar inserts, or for cigarettes; Chewing tobacco; Snuff** ( [mechanical treatment A24B 3/00 to A24B 11/00](#); [reconstituted tobacco products A24B 3/14](#); [chemical features or treatment of tobacco A24B 15/00](#) )
- A24B 13/02 . Flakes or shreds of tobacco
  
- A24B 15/00** **Chemical features or treatment of tobacco; Tobacco substitutes** ( [A24B 3/00 takes precedence](#) )
- A24B 15/10 . Chemical features of tobacco products or tobacco substitutes
- A24B 15/12 . . of reconstituted tobacco
- A24B 15/14 . . . made of tobacco and a binding agent not derived from tobacco

- A24B 15/16 . . of tobacco substitutes
- A24B 15/165 . . . { comprising as heat source a carbon fuel or an oxydized or thermally degraded carbonaceous fuel, e.g. carbohydrates, cellulosic material }
- A24B 15/18 . Treatment of tobacco products or tobacco substitutes
- A24B 15/183 . . { sterilization, preservation or biological decontamination }
- A24B 15/186 . . { by coating with a coating composition, encapsulation of tobacco particles ( encapsulation of additives other than tobacco : [A24B 15/283](#) ) }
- A24B 15/20 . . Biochemical treatment
- A24B 15/22 . . by application of electric or wave energy or particle radiation
- A24B 15/24 . . by extraction; Tobacco extracts
- A24B 15/241 . . . { Extraction of specific substances }
- A24B 15/243 . . . . { Nicotine }
- A24B 15/245 . . . . { Nitrosamines }
- A24B 15/246 . . . . { Polycyclic aromatic compounds }
- A24B 15/248 . . . . { Heavy metals }
- A24B 15/26 . . . Use of organic solvents for extraction
- A24B 15/28 . . by chemical substances
- A24B 15/281 . . . { the action of the chemical substances being delayed }
- A24B 15/282 . . . . { by indirect addition of the chemical substances, e.g. in the wrapper, in the case }
- A24B 15/283 . . . . { by encapsulation of the chemical substances }

#### **NOTE**

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

- A24B 15/284 . . . . . { the additive being bound to a host by chemical, electrical or like forces, e.g. use of precursors, inclusion complexes }
- A24B 15/285 . . . { characterised by structural features, e.g. particle shape or size }
- A24B 15/286 . . . . { Nanoparticles }
- A24B 15/287 . . . { by inorganic substances only }
- A24B 15/288 . . . . { Catalysts or catalytic material, e.g. included in the wrapping material }
- A24B 15/30 . . . by organic substances ( ( [A24B 15/281](#) takes precedence ) )
- A24B 15/301 . . . . { by aromatic compounds }
- A24B 15/302 . . . . { by natural substances obtained from animals or plants }
- A24B 15/303 . . . . . { Plant extracts other than tobacco }
- A24B 15/305 . . . . { of undetermined constitution characterised by their preparation }
- A24B 15/306 . . . . . { one reactant being an amino acid or a protein, e.g. Maillard's reaction ( [A24B 15/307](#) takes precedence ) }
- A24B 15/307 . . . . . { using micro-organisms or enzymes as catalysts }
- A24B 15/308 . . . . { vitamins }
- A24B 15/32 . . . . by acyclic compounds
- A24B 15/34 . . . . containing a carbocyclic ring other than a six-membered aromatic ring

A24B 15/345	.....	{ containing condensed rings }
A24B 15/36	....	containing a heterocyclic ring
A24B 15/365	.....	{ having nitrogen and sulfur as hetero atoms in the same ring }
A24B 15/38	.....	having only nitrogen as hetero atom
A24B 15/385	.....	{ in a five-membered ring }
A24B 15/40	.....	having only oxygen or sulfur as hetero atoms
A24B 15/403	.....	{ having only oxygen as hetero atoms }
A24B 15/406	.....	{ in a five-membered ring }
A24B 15/42	...	by organic and inorganic substances {( <a href="#">A24B 15/281</a> takes precedence )}