

**CPC****COOPERATIVE PATENT CLASSIFICATION****A24B****MANUFACTURE OR PREPARATION OF TOBACCO FOR SMOKING OR CHEWING; TOBACCO; SNUFF****Guidance heading:****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 }