

**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 {([A24B 15/281](#) takes precedence)}