

**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](#))

|                             |   |
|-----------------------------|---|
| <b>A24B 7/00</b>            | <b>Cutting tobacco</b> (hand cutting tools <a href="#">B26B</a> ; slicing in general <a href="#">B26D 1/00</a> , <a href="#">B26D 3/00</a> )  |
| <a href="#">A24B 7/02</a>   | . by machines with reciprocating knives   |
| <a href="#">A24B 7/04</a>   | . by machines with revolving knives   |
| <a href="#">A24B 7/06</a>   | .. with two co-operating sets of knife discs  |
| <a href="#">A24B 7/08</a>   | .. with several knives which act one after the other  |
| <a href="#">A24B 7/10</a>   | ... with cutter axes parallel to the feeding direction  |
| <a href="#">A24B 7/12</a>   | ... with cutter axes transverse to the feeding direction  |
| <a href="#">A24B 7/14</a>   | . Feeding or regulating devices for tobacco-cutting apparatus   |
| <b>A24B 9/00</b>            | <b>Control of the moisture content of tobacco products, e.g. cigars, cigarettes, pipe tobacco</b> ({final drying of cigars <a href="#">A24C 1/383</a> , of cigarettes <a href="#">A24C 5/603</a> }; devices for use by the smoker for controlling the moisture content of tobacco products <a href="#">A24F 25/00</a> ) |
| <b>A24B 11/00</b>           | <b>Tobacco-twisting machines</b>  |
| <b>A24B 13/00</b>           | <b>Tobacco for pipes, for cigars, e.g. cigar inserts, or for cigarettes; Chewing tobacco; Snuff</b> (mechanical treatment <a href="#">A24B 3/00</a> to <a href="#">A24B 11/00</a> ; reconstituted tobacco products <a href="#">A24B 3/14</a> ; chemical features or treatment of tobacco <a href="#">A24B 15/00</a> )   |
| <a href="#">A24B 13/02</a>  | . Flakes or shreds of tobacco   |
| <b>A24B 15/00</b>           | <b>Chemical features or treatment of tobacco; Tobacco substitutes</b> ( <a href="#">A24B 3/00</a> takes precedence)   |
| <a href="#">A24B 15/10</a>  | . Chemical features of tobacco products or tobacco substitutes  |
| <a href="#">A24B 15/12</a>  | .. of reconstituted tobacco   |
| <a href="#">A24B 15/14</a>  | ... made of tobacco and a binding agent not derived from tobacco  |
| <a href="#">A24B 15/16</a>  | .. of tobacco substitutes   |
| <a href="#">A24B 15/165</a> | ... {comprising as heat source a carbon fuel or an oxydized or thermally degraded carbonaceous fuel, e.g. carbohydrates, cellulosic material}   |
| <a href="#">A24B 15/18</a>  | . Treatment of tobacco products or tobacco substitutes  |
| <a href="#">A24B 15/183</a> | .. {sterilization, preservation or biological decontamination}  |
| <a href="#">A24B 15/186</a> | .. {by coating with a coating composition, encapsulation of tobacco particles (encapsulation of additives other than tobacco : <a href="#">A24B 15/283</a> )}   |
| <a href="#">A24B 15/20</a>  | .. Biochemical treatment  |
| <a href="#">A24B 15/22</a>  | .. by application of electric or wave energy or particle radiation  |
| <a href="#">A24B 15/24</a>  | .. by extraction; Tobacco extracts  |
| <a href="#">A24B 15/241</a> | ... {Extraction of specific substances}   |
| <a href="#">A24B 15/243</a> | .... {Nicotine}   |
| <a href="#">A24B 15/245</a> | .... {Nitrosamines}   |
| <a href="#">A24B 15/246</a> | .... {Polycyclic aromatic compounds}  |
| <a href="#">A24B 15/248</a> | .... {Heavy metals}   |
| <a href="#">A24B 15/26</a>  | ... 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 {( <a href="#">A24B 15/281</a> 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 ( <a href="#">A24B 15/307</a> 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)}                                     |