

# CPC COOPERATIVE PATENT CLASSIFICATION

## A HUMAN NECESSITIES

### FOODSTUFFS; TOBACCO

#### A24 TOBACCO; CIGARS; CIGARETTES; SMOKERS' REQUISITES

#### A24B MANUFACTURE OR PREPARATION OF TOBACCO FOR SMOKING OR CHEWING; TOBACCO; SNUFF

##### WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

- |             |   |                    |  |
|-------------|---|--------------------|--|
| <b>1/00</b> | <b>Preparation of tobacco on the plantation</b><br>(harvesters for tobacco <a href="#">A01D 45/16</a> )   | 5/16               | • Other treatment of stems or ribs, e.g. bending, chopping, incising ( <a href="#">humidifying A24B 3/04</a> )   |
| 1/02        | • Arrangements in barns for preparatory treatment of the tobacco, e.g. with devices for drying  | <b>7/00</b>        | <b>Cutting tobacco</b> ( <a href="#">hand cutting tools B26B</a> ; <a href="#">slicing in general B26D 1/00, B26D 3/00</a> )   |
| 1/04        | • Sifting, sorting, cleaning or removing impurities from tobacco ( <a href="#">purifying by sifting or sorting in general B07B</a> )  | 7/02               | • by machines with reciprocating knives  |
| 1/06        | • Stringing tobacco leaves  | 7/04               | • by machines with revolving knives  |
| 1/08        | • Suspending devices for tobacco leaves   | 7/06               | • . . with two co-operating sets of knife discs  |
| 1/10        | • Packing or pressing tobacco   | 7/08               | • . . with several knives which act one after the other  |
| <b>3/00</b> | <b>Preparing tobacco in the factory</b>   | 7/10               | • . . . with cutter axes parallel to the feeding direction   |
| 3/02        | • Humidifying packed raw tobacco ( <a href="#">containers for packaging contents in moist condition B65D 81/22</a> )  | 7/12               | • . . . with cutter axes transverse to the feeding direction   |
| 3/04        | • Humidifying or drying tobacco bunches or cut tobacco ( <a href="#">A24B 3/12 takes precedence</a> )   | 7/14               | • Feeding or control devices for tobacco-cutting apparatus   |
| 3/06        | • Loosening tobacco leaves or cut tobacco ( <a href="#">A24B 3/07 takes precedence</a> )  | <b>9/00</b>        | <b>Control of the moisture content of tobacco products, e.g. cigars, cigarettes, pipe tobacco</b><br>( <a href="#">final drying of cigars A24C 1/383</a> , <a href="#">of cigarettes A24C 5/603</a> ); <a href="#">devices for use by the smoker for controlling the moisture content of tobacco products A24F 25/00</a> )                         |
| 3/07        | • Cutting or removing tie leaves; Cutting-off stem butts  | <b>11/00</b>       | <b>Tobacco-twisting machines</b>   |
| 3/08        | • Blending tobacco  | <b>13/00</b>       | <b>Tobacco for pipes, for cigars, e.g. cigar inserts, or for cigarettes; Chewing tobacco; Snuff</b> ( <a href="#">mechanical treatment A24B 3/00 - A24B 11/00</a> ; <a href="#">reconstituted tobacco products A24B 3/14</a> ; <a href="#">chemical features or treatment of tobacco A24B 15/00</a> )  |
| 3/10        | • Roasting or cooling tobacco   | 13/02              | • Flakes or shreds of tobacco  |
| 3/12        | • Steaming, curing, or flavouring tobacco   | <b>15/00</b>       | <b>Chemical features or treatment of tobacco; Tobacco substitutes</b> ( <a href="#">A24B 3/00 takes precedence</a> )   |
| 3/14        | • Forming reconstituted tobacco products, e.g. wrapper materials, sheets, imitation leaves, rods, cakes; Forms of such products ( <a href="#">delustering A24C 1/40</a> ; <a href="#">tobacco or cigarette paper D21H</a> ) | <b><u>NOTE</u></b> |  |
| 3/16        | • Classifying or aligning leaves  |                    | In groups <a href="#">A24B 15/30 - A24B 15/42</a> , 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. (This Note corresponds to IPC Note (1) relating to <a href="#">A24B 15/30 - A24B 15/42</a> .) |
| 3/18        | • Other treatment of leaves, e.g. puffing, crimpling, cleaning  | 15/10              | • Chemical features of tobacco products or tobacco substitutes   |
| 3/182       | • . . {Puffing}   | 15/12              | • . . of reconstituted tobacco   |
| 3/185       | • . . . {by impregnating with a liquid and subsequently freezing and evaporating this liquid}   | 15/14              | • . . . made of tobacco and a binding agent not derived from tobacco   |
| 3/187       | • . . . {by electrical treatment}   |                    |  |
| <b>5/00</b> | <b>Stripping tobacco; Treatment of stems or ribs</b>  |                    |  |
| 5/02        | • by plucking out the stem  |                    |  |
| 5/04        | • by cutting out the stem   |                    |  |
| 5/06        | • by stripping leaf-parts from the stem   |                    |  |
| 5/08        | • by cutting-off, shaving off, pressing flat the thick parts of stems or ribs   |                    |  |
| 5/10        | • by crushing the leaves with subsequent separating   |                    |  |
| 5/12        | • Auxiliary devices for stripping   |                    |  |
| 5/14        | • Flattening machines for leaves or stems   |                    |  |

- 15/16 . . of tobacco substitutes
- WARNING**
- Group [A24B 15/16](#) is impacted by reclassification into group [A24B 15/167](#).
- Groups [A24B 15/16](#) and [A24B 15/167](#) should be considered in order to perform a complete search.
- 15/165 . . . {comprising as heat source a carbon fuel or an oxidized or thermally degraded carbonaceous fuel, e.g. carbohydrates, cellulosic material}
- 15/167 . . . {in liquid or vaporizable form, e.g. liquid compositions for e-cigarettes}
- WARNING**
- Group [A24B 15/167](#) is incomplete pending reclassification of documentation from group [A24B 15/16](#).
- Groups [A24B 15/16](#) and [A24B 15/167](#) should be considered in order to perform a complete search.
- 15/18 . . Treatment of tobacco products or tobacco substitutes
- 15/183 . . {sterilization, preservation or biological decontamination}
- 15/186 . . {by coating with a coating composition, encapsulation of tobacco particles ([encapsulation of additives other than tobacco : A24B 15/283](#))}
- 15/20 . . Biochemical treatment
- 15/22 . . by application of electric or wave energy or particle radiation
- 15/24 . . by extraction; Tobacco extracts
- 15/241 . . . {Extraction of specific substances}
- 15/243 . . . . {Nicotine}
- 15/245 . . . . {Nitrosamines}
- 15/246 . . . . {Polycyclic aromatic compounds}
- 15/248 . . . . {Heavy metals}
- 15/26 . . . Use of organic solvents for extraction
- 15/28 . . by chemical substances
- 15/281 . . . {the action of the chemical substances being delayed}
- 15/282 . . . . {by indirect addition of the chemical substances, e.g. in the wrapper, in the case}
- 15/283 . . . . {by encapsulation of the chemical substances}
- 15/284 . . . . {the additive being bound to a host by chemical, electrical or like forces, e.g. use of precursors, inclusion complexes}
- 15/285 . . . {characterised by structural features, e.g. particle shape or size}
- 15/286 . . . . {Nanoparticles}
- 15/287 . . . {by inorganic substances only}
- 15/288 . . . . {Catalysts or catalytic material, e.g. included in the wrapping material}
- 15/30 . . . by organic substances {([A24B 15/281](#) takes precedence)}
- 15/301 . . . . {by aromatic compounds}
- 15/302 . . . . {by natural substances obtained from animals or plants}
- 15/303 . . . . {Plant extracts other than tobacco}
- 15/305 . . . . {of undetermined constitution characterised by their preparation}
- 15/306 . . . . . {one reactant being an amino acid or a protein, e.g. Maillard's reaction ([A24B 15/307](#) takes precedence)}
- 15/307 . . . . . {using microorganisms or enzymes as catalysts}
- 15/308 . . . . . {vitamins}
- 15/32 . . . . by acyclic compounds
- 15/34 . . . . containing a carbocyclic ring other than a six-membered aromatic ring
- 15/345 . . . . . {containing condensed rings}
- 15/36 . . . . containing a heterocyclic ring
- 15/365 . . . . . {having nitrogen and sulfur as hetero atoms in the same ring}
- 15/38 . . . . . having only nitrogen as hetero atom
- 15/385 . . . . . {in a five-membered ring}
- 15/40 . . . . . having only oxygen or sulfur as hetero atoms
- 15/403 . . . . . {having only oxygen as hetero atoms}
- 15/406 . . . . . {in a five-membered ring}
- 15/42 . . . by organic and inorganic substances {([A24B 15/281](#) takes precedence)}