

# CPC COOPERATIVE PATENT CLASSIFICATION

## A HUMAN NECESSITIES

### FOODSTUFFS; TOBACCO

#### A24 TOBACCO; CIGARS; CIGARETTES; SIMULATED SMOKING DEVICES; SMOKERS' REQUISITES

(NOTE omitted)

#### 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.

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| <p><b>1/00</b> Preparation of tobacco on the plantation<br/>(<a href="#">harvesters for tobacco A01D 45/16</a>)</p> <p>1/02 . Arrangements in barns for preparatory treatment of the tobacco, e.g. with devices for drying</p> <p>1/04 . Sifting, sorting, cleaning or removing impurities from tobacco (<a href="#">purifying by sifting or sorting in general B07B</a>)</p> <p>1/06 . Stringing tobacco leaves</p> <p>1/08 . Suspending devices for tobacco leaves</p> <p>1/10 . Packing or pressing tobacco</p> <p><b>3/00</b> Preparing tobacco in the factory</p> <p>3/02 . Humidifying packed raw tobacco (<a href="#">containers for packaging contents in moist condition B65D 81/22</a>)</p> <p>3/04 . Humidifying or drying tobacco bunches or cut tobacco (<a href="#">A24B 3/12 takes precedence</a>)</p> <p>3/06 . Loosening tobacco leaves or cut tobacco (<a href="#">A24B 3/07 takes precedence</a>)</p> <p>3/07 . Cutting or removing tie leaves; Cutting-off stem butts</p> <p>3/08 . Blending tobacco</p> <p>3/10 . Roasting or cooling tobacco</p> <p>3/12 . Steaming, curing, or flavouring tobacco</p> <p>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; tobacco or cigarette paper D21H</a>)</p> <p><b><u>WARNING</u></b></p> <p>Group <a href="#">A24B 3/14</a> is impacted by reclassification into group <a href="#">A24C 5/01</a>.</p> <p>Groups <a href="#">A24B 3/14</a> and <a href="#">A24C 5/01</a> should be considered in order to perform a complete search.</p> <p>3/16 . Classifying or aligning leaves</p> <p>3/18 . Other treatment of leaves, e.g. puffing, crimpling, cleaning</p> <p>3/182 . . {Puffing}</p> <p>3/185 . . . {by impregnating with a liquid and subsequently freezing and evaporating this liquid}</p> <p>3/187 . . . {by electrical treatment}</p> | <p><b>5/00</b> Stripping tobacco; Treatment of stems or ribs</p> <p>5/02 . by plucking out the stem</p> <p>5/04 . by cutting out the stem</p> <p>5/06 . by stripping leaf-parts from the stem</p> <p>5/08 . by cutting-off, shaving off, pressing flat the thick parts of stems or ribs</p> <p>5/10 . by crushing the leaves with subsequent separating</p> <p>5/12 . Auxiliary devices for stripping</p> <p>5/14 . Flattening machines for leaves or stems</p> <p>5/16 . Other treatment of stems or ribs, e.g. bending, chopping, incising (<a href="#">humidifying A24B 3/04</a>)</p> <p><b>7/00</b> Cutting tobacco (<a href="#">hand cutting tools B26B</a>; <a href="#">slicing in general B26D 1/00, B26D 3/00</a>)</p> <p>7/02 . by machines with reciprocating knives</p> <p>7/04 . by machines with revolving knives</p> <p>7/06 . . with two co-operating sets of knife discs</p> <p>7/08 . . with several knives which act one after the other</p> <p>7/10 . . . with cutter axes parallel to the feeding direction</p> <p>7/12 . . . with cutter axes transverse to the feeding direction</p> <p>7/14 . Feeding or control devices for tobacco-cutting apparatus</p> <p><b>9/00</b> Control of the moisture content of tobacco products, e.g. cigars, cigarettes, pipe tobacco ({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>)</p> <p><b>11/00</b> Tobacco-twisting machines</p> <p><b>13/00</b> Tobacco for pipes, for cigars, e.g. cigar inserts, or for cigarettes; Chewing tobacco; Snuff (<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>)</p> <p>13/02 . Flakes or shreds of tobacco</p> |
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**15/00 Chemical features or treatment of tobacco;  
Tobacco substitutes, e.g. in liquid form ([A24B 3/00](#)  
takes precedence)**

**NOTE**

In groups [A24B 15/30](#) - [A24B 15/42](#), 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 [A24B 15/30](#) - [A24B 15/42](#).}

- 15/10 . Chemical features of tobacco products or tobacco substitutes
- 15/12 . . of reconstituted tobacco
- 15/14 . . . made of tobacco and a binding agent not derived from tobacco
- 15/16 . . of tobacco substitutes
- 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 vaporisable form, e.g. liquid compositions for electronic cigarettes
- 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

**NOTE**

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{This Note corresponds to IPC Note (1) relating to [A24B 15/30](#) - [A24B 15/42](#).}

- 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)}