

# 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.

<b>1/00</b>	<b>Preparation of tobacco on the plantation</b>	<b>5/16</b>	• 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>
1/04	• Sifting, sorting, cleaning or removing impurities from tobacco	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	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>
3/07	• Cutting or removing tie leaves; Cutting-off stem butts		( <a href="#">final drying of cigars 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> )
3/08	• Blending tobacco	<b>11/00</b>	<b>Tobacco-twisting machines</b>
3/10	• Roasting or cooling tobacco	<b>13/00</b>	<b>Tobacco for pipes, for cigars, e.g. cigar inserts, or for cigarettes; Chewing tobacco; Snuff</b>
3/12	• Steaming, curing, or flavouring tobacco		( <a href="#">reconstituted tobacco products A24B 3/14</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> )	13/02	• Flakes or shreds of tobacco
3/16	• Classifying or aligning leaves	<b>15/00</b>	<b>Chemical features or treatment of tobacco; Tobacco substitutes, e.g. in liquid form</b>
3/18	• Other treatment of leaves, e.g. puffing, crimpling, cleaning		( <a href="#">A24B 3/00 takes precedence</a> )
3/182	• . . {Puffing}	<b>NOTE</b>	
3/185	• . . . {by impregnating with a liquid and subsequently freezing and evaporating this liquid}		In groups <a href="#">A24B 15/30</a> - <a href="#">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</a> - <a href="#">A24B 15/42</a> .}
3/187	• . . . {by electrical treatment}		
<b>5/00</b>	<b>Stripping tobacco; Treatment of stems or ribs</b>	15/10	• Chemical features of tobacco products or tobacco substitutes
5/02	• by plucking out the stem	15/12	• . . of reconstituted tobacco
5/04	• by cutting out the stem	15/14	• . . . made of tobacco and a binding agent not derived from tobacco
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
- 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
- 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  
{[\(A24B 15/281 takes precedence\)](#)}

**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](#).}

- 15/281 . . . {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}