

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.

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|-------------|---|--------------------|--|
| 1/00 | Preparation of tobacco on the plantation
(harvesters for tobacco A01D 45/16) | 5/16 | . Other treatment of stems or ribs, e.g. bending, chopping, incising (humidifying A24B 3/04) |
| 1/02 | . Arrangements in barns for preparatory treatment of the tobacco, e.g. with devices for drying | 7/00 | Cutting tobacco (hand cutting tools B26B ; slicing in general B26D 1/00, B26D 3/00) |
| 1/04 | . Sifting, sorting, cleaning or removing impurities from tobacco (purifying by sifting or sorting in general B07B) | 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 |
| 3/00 | Preparing tobacco in the factory | 7/10 | . . . with cutter axes parallel to the feeding direction |
| 3/02 | . Humidifying packed raw tobacco (containers for packaging contents in moist condition B65D 81/22) | 7/12 | . . . with cutter axes transverse to the feeding direction |
| 3/04 | . Humidifying or drying tobacco bunches or cut tobacco (A24B 3/12 takes precedence) | 7/14 | . Feeding or control devices for tobacco-cutting apparatus |
| 3/06 | . Loosening tobacco leaves or cut tobacco (A24B 3/07 takes precedence) | 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) |
| 3/07 | . Cutting or removing tie leaves; Cutting-off stem butts | 11/00 | Tobacco-twisting machines |
| 3/08 | . Blending tobacco | 13/00 | Tobacco for pipes, for cigars, e.g. cigar inserts, or for cigarettes; Chewing tobacco; Snuff (mechanical treatment A24B 3/00 - A24B 11/00 ; reconstituted tobacco products A24B 3/14 ; chemical features or treatment of tobacco A24B 15/00) |
| 3/10 | . Roasting or cooling tobacco | 13/02 | . Flakes or shreds of tobacco |
| 3/12 | . Steaming, curing, or flavouring tobacco | 15/00 | Chemical features or treatment of tobacco; Tobacco substitutes (A24B 3/00 takes precedence) |
| 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) | <u>NOTE</u> | |
| 3/16 | . Classifying or aligning leaves | | 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 .) |
| 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} | | |
| 5/00 | Stripping tobacco; Treatment of stems or ribs | | |
| 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)}