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.

1/00 Preparation of tobacco on the plantation (harvesters for tobacco A01D 45/16)

1/02 . . . Arrangements in barns for preparatory treatment of the tobacco, e.g. with devices for drying

1/04 . . . Sifting, sorting, cleaning or removing impurities from tobacco (purifying by sifting or sorting in general B07R)

1/06 . . . Stringing tobacco leaves

1/08 . . . Suspending devices for tobacco leaves

1/10 . . . Packing or pressing tobacco

3/00 Preparing tobacco in the factory

3/02 . . . Humidifying packed raw tobacco (containers for packaging contents in moist condition B65D 81/22)

3/04 . . . Humidifying or drying tobacco bunches or cut tobacco (A24B 3/12 takes precedence)

3/06 . . . Loosening tobacco leaves or cut tobacco (A24B 3/07 takes precedence)

3/07 . . . Cutting or removing tie leaves; Cutting-off stem butts

3/08 . . . Blending tobacco

3/10 . . . Roasting or cooling tobacco

3/12 . . . Steaming, curing, or flavouring tobacco

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)

3/16 . . . Classifying or aligning leaves

3/18 . . . Other treatment of leaves, e.g. puffing, crimping, cleaning

3/182 . . . [Puffing]

3/185 . . . [by impregnating with a liquid and subsequently freezing and evaporating this liquid]

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

5/16 . . . Other treatment of stems or ribs, e.g. bending, chopping, incising (humidifying A24B 3/04)

7/00 Cutting tobacco (hand cutting tools B26B; slicing in general B26D 1/00, B26D 3/00)

7/02 . . . by machines with reciprocating knives

7/04 . . . by machines with revolving knives

7/06 . . . with two co-operating sets of knife discs

7/08 . . . with several knives which act one after the other

7/10 . . . with cutter axes parallel to the feeding direction

7/12 . . . with cutter axes transverse to the feeding direction

7/14 . . . Feeding or control devices for tobacco-cutting apparatus

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)

11/00 Tobacco-twisting machines

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)

13/02 . . . Flakes or shreds of tobacco

15/00 Chemical features or treatment of tobacco; Tobacco substitutes (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
of tobacco substitutes

[comprising as heat source a carbon fuel or an oxidized or thermally degraded carbonaceous fuel, e.g. carbohydrates, cellulosic material]

[in liquid or vaporizable form, e.g. liquid compositions for e-cigarettes]

Treatment of tobacco products or tobacco substitutes

[sterilization, preservation or biological decontamination]

[by coating with a coating composition, encapsulation of tobacco particles (encapsulation of additives other than tobacco : A24B 15/283)]

Biochemical treatment

by extraction; Tobacco extracts

[Extraction of specific substances]

[Nicotine]

[Nitrosamines]

[Polycyclic aromatic compounds]

[Heavy metals]

Use of organic solvents for extraction

by chemical substances

[the action of the chemical substances being delayed]

[by indirect addition of the chemical substances, e.g. in the wrapper, in the case]

[by encapsulation of the chemical substances]

[the additive being bound to a host by chemical, electrical or like forces, e.g. use of precursors, inclusion complexes]

[characterised by structural features, e.g. particle shape or size]

[Nanoparticles]

[by inorganic substances only]

[Catalysts or catalytic material, e.g. included in the wrapping material]

by organic substances ((A24B 15/281 takes precedence))

[by aromatic compounds]

[by natural substances obtained from animals or plants]

[Plant extracts other than tobacco]

[of undetermined constitution characterised by their preparation]

[one reactant being an amino acid or a protein, e.g. Maillard's reaction (A24B 15/307 takes precedence)]

[using microorganisms or enzymes as catalysts]

[vitamins]

by acyclic compounds

containing a carbocyclic ring other than a six-membered aromatic ring

[containing condensed rings]

containing a heterocyclic ring

[having nitrogen and sulfur as hetero atoms in the same ring]

having only nitrogen as hetero atom

[by organic and inorganic substances ((A24B 15/281 takes precedence))]