

CPC COOPERATIVE PATENT CLASSIFICATION

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

1/00	Preparation of tobacco on the plantation (harvesters for tobacco A01D 45/16)	7/14	• Feeding or regulating devices for tobacco-cutting apparatus
1/02	• Arrangements in barns for preparatory treatment of the tobacco, e.g. with devices for drying	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)
1/04	• Sifting, sorting, cleaning or removing impurities from tobacco (purifying by sifting or sorting in general B07B)	11/00	Tobacco-twisting machines
1/06	• Stringing tobacco leaves	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)
1/08	• Suspending devices for tobacco leaves	13/02	• Flakes or shreds of tobacco
1/10	• Packing or pressing tobacco	15/00	Chemical features or treatment of tobacco; Tobacco substitutes (A24B 3/00 takes precedence)
3/00	Preparing tobacco in the factory	15/10	• Chemical features of tobacco products or tobacco substitutes
3/02	• Humidifying packed raw tobacco (containers for packaging contents in moist condition B65D 81/22)	15/12	• . of reconstituted tobacco
3/04	• Humidifying or drying tobacco bunches or cut tobacco (A24B 3/12 takes precedence)	15/14	• . . made of tobacco and a binding agent not derived from tobacco
3/06	• Loosening tobacco leaves or cut tobacco (A24B 3/07 takes precedence)	15/16	• . of tobacco substitutes
3/07	• Cutting or removing tie leaves; Cutting-off stem butts		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.
3/08	• Blending tobacco	15/165	• . . {comprising as heat source a carbon fuel or an oxydized or thermally degraded carbonaceous fuel, e.g. carbohydrates, cellulosic material}
3/10	• Roasting or cooling tobacco	15/167	• . . {in liquid or vaporizable form, e.g. liquid compositions for e-cigarettes}
3/12	• Steaming, curing, or flavouring tobacco		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.
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, crimpling, 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)	15/18	• Treatment of tobacco products or tobacco substitutes
7/02	• by machines with reciprocating knives	15/183	• . {sterilization, preservation or biological decontamination}
7/04	• by machines with revolving knives	15/186	• . {by coating with a coating composition, encapsulation of tobacco particles (encapsulation of additives other than tobacco : A24B 15/283)}
7/06	• . with two co-operating sets of knife discs	15/20	• . Biochemical treatment
7/08	• . with several knives which act one after the other	15/22	• . by application of electric or wave energy or particle radiation
7/10	• . . with cutter axes parallel to the feeding direction		
7/12	• . . with cutter axes transverse to the feeding direction		

- 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}
- NOTE**
- In groups [A24B 15/30](#) - [A24B 15/42](#),
in the absence of an indication to the contrary, classification is made in the last appropriate place for a substance
- 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 micro-organisms 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)}