

# CPC COOPERATIVE PATENT CLASSIFICATION

## A HUMAN NECESSITIES

### FOODSTUFFS; TOBACCO

#### A23 FOODS OR FOODSTUFFS; TREATMENT THEREOF, NOT COVERED BY OTHER CLASSES

(NOTE omitted)

#### A23F COFFEE; TEA; THEIR SUBSTITUTES; MANUFACTURE, PREPARATION, OR INFUSION THEREOF

##### 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>3/00</b> | <b>Tea; Tea substitutes; Preparations thereof</b>  | <b>3/363</b> | . . {by addition of alkaloid neutralising or complexing agents ( <a href="#">A23F 3/166</a> takes precedence)}  |
| 3/06        | . Treating tea before extraction ( <a href="#">reducing or removing alkaloid content A23F 3/36</a> ); Preparations produced thereby ( <a href="#">tea extract preparations A23F 3/16</a> ) | 3/366        | . . {by extraction of the leaves with selective solvents}   |
| 3/08        | . . Oxidation; Fermentation  | 3/38         | . . Reducing or removing alkaloid content from tea extract  |
| 3/10        | . . . Fermentation with addition of microorganisms or enzymes  | 3/385        | . . . {using flocculating, precipitating, adsorbing or complex-forming agents, or ion-exchangers}   |
| 3/12        | . . Rolling or shredding tea leaves  | 3/40         | . Tea flavour; Tea oil; Flavouring of tea or tea extract ( <a href="#">synthetic tea flavours A23L 27/20</a> )  |
| 3/14        | . . Tea preparations, e.g. using additives ( <a href="#">flavouring A23F 3/40</a> )  | 3/405        | . . {Flavouring with flavours other than natural tea flavour or tea oil}  |
| 3/16        | . Tea extraction; Tea extracts; Treating tea extract; Making instant tea   | 3/42         | . . Isolation {or recuperation} of tea flavour or tea oil   |
| 3/163       | . . {Liquid or semi-liquid tea extract preparations, e.g. gels, liquid extracts in solid capsules}   | 3/423        | . . . {by solvent extraction; Tea flavour from tea oil}   |
| 3/166       | . . {Addition of, or treatment with, enzymes or microorganisms}  | 3/426        | . . . {by distillation, e.g. stripping leaves; Recovering volatile gases ( <a href="#">flavour from tea oil A23F 3/423</a> )}   |
| 3/18        | . . Extraction of water soluble tea constituents ({ <a href="#">A23F 3/166</a> takes precedence}; isolation of tea flavour or tea oil <a href="#">A23F 3/42</a> )                          | <b>5/00</b>  | <b>Coffee; Coffee substitutes; Preparations thereof</b>   |
| 3/20        | . . Removing unwanted substances ({ <a href="#">A23F 3/166</a> takes precedence}; <a href="#">reducing or removing alkaloid content A23F 3/38</a> )  | 5/02         | . Treating green coffee; Preparations produced thereby ( <a href="#">roasting A23F 5/04</a> ; <a href="#">removing unwanted substances A23F 5/16</a> ; <a href="#">reducing or removing alkaloid content A23F 5/20</a> ; <a href="#">extraction A23F 5/24</a> ) |
| 3/205       | . . . {Using flocculating or adsorbing agents}   | 5/04         | . Methods of roasting coffee ( <a href="#">machines therefor A23N 12/00</a> )   |
| 3/22        | . . Drying or concentrating tea extract ({ <a href="#">A23F 3/166</a> takes precedence})   | 5/043        | . . {in the presence of inert particles}  |
| 3/225       | . . . {by evaporation, e.g. drying in thin layers, foam drying ( <a href="#">A23F 3/26</a> and <a href="#">A23F 3/28</a> take precedence)}   | 5/046        | . . {with agitation or transportation of the beans by gases; Fluidised-bed roasting or fluidised-bed cooling after roasting ( <a href="#">A23F 5/043</a> takes precedence)}   |
| 3/24        | . . . by freezing out the water  | 5/06         | . . of roasting extracted coffee {; <a href="#">Caramelisation of coffee extract</a> }  |
| 3/26        | . . . by lyophilisation  | 5/08         | . Methods of grinding coffee ( <a href="#">coffee mills A47J 42/00</a> )  |
| 3/28        | . . . by spraying into a gas stream  | 5/10         | . Treating roasted coffee; Preparations produced thereby ( <a href="#">removing unwanted substances A23F 5/16</a> ; <a href="#">reducing or removing alkaloid content A23F 5/20</a> ; <a href="#">coffee extraction, making instant coffee A23F 5/24</a> )      |
| 3/30        | . . Further treatment of dried tea extract; Preparations produced thereby, e.g. instant tea ({ <a href="#">A23F 3/166</a> takes precedence}; <a href="#">flavouring A23F 3/40</a> )        | 5/105        | . . {Treating in vacuum or with inert or noble gases; Storing in gaseous atmosphere; Packaging}   |
| 3/32        | . . . Agglomerating, flaking or tableting {or granulating}   |              |   |
| 3/34        | . Tea substitutes, e.g. matè; Extracts or infusions thereof  |              |   |
| 3/36        | . Reducing or removing alkaloid content; Preparations produced thereby; Extracts or infusions thereof  |              |   |

- 5/12 . . Agglomerating, flaking or tableting ([of coffee extract or instant coffee A23F 5/38](#))
- 5/125 . . . {Tablets or other similar solid forms}
- 5/14 . . using additives, e.g. milk, sugar; Coating, e.g. for preserving ([flavouring A23F 5/46](#))
- 5/145 . . . {Coating whole beans with a layer}
- 5/16 . . Removing unwanted substances ([reducing or removing alkaloid content A23F 5/20](#))
- 5/163 . . {using enzymes or microorganisms}
- 5/166 . . {by extraction of the beans, ground or not, with selective solvents other than water or aqueous bean extracts, including supercritical gases}
- 5/18 . . from coffee extract ({[A23F 5/163 takes precedence](#)})
- 5/185 . . . {using flocculating, precipitating, adsorbing or complex-forming agents, or ion-exchangers}
- 5/20 . . Reducing or removing alkaloid content; Preparations produced thereby; Extracts or infusions thereof
- 5/202 . . {by addition of alkaloid neutralising or complexing agents}
- 5/204 . . {using enzymes or microorganisms}
- 5/206 . . {by extraction of the beans with selective solvents other than water or aqueous bean extracts, including supercritical gases}
- 5/208 . . {by extraction of the beans with water, aqueous solutions without organic or inorganic solvents, or aqueous coffee extract}
- 5/22 . . Reducing or removing alkaloid content from coffee extract
- 5/223 . . . {using flocculating, precipitating, adsorbing or complex-forming agents, or ion-exchangers}
- 5/226 . . . {by extraction with selective solvents}
- 5/24 . . Extraction of coffee; Coffee extracts ([with reduced alkaloid content A23F 5/20](#)); Making instant coffee ([methods of roasting extracted coffee A23F 5/06](#))
- 5/243 . . {Liquid, semi-liquid or non-dried semi-solid coffee extract preparations; Coffee gels; Liquid coffee in solid capsules ([A23F 5/246 takes precedence](#))}
- 5/246 . . {Addition of, or treatment with, enzymes or microorganisms ([A23F 5/163 and A23F 5/204 take precedence](#))}
- 5/26 . . Extraction of water-soluble constituents ({[A23F 5/246 takes precedence](#)})
- 5/262 . . . {the extraction liquid flows through a stationary bed of solid substances, e.g. in percolation columns}
- 5/265 . . . {the solid substances are transported through the apparatus during the extraction cycle}
- 5/267 . . . {using additives, specific extraction media or specific coffee blends}
- 5/28 . . Drying or concentrating coffee extract ({[A23F 5/246 takes precedence](#)})
- 5/285 . . . {by evaporation, e.g. drying in thin layers, foam drying ([A23F 5/32 and A23F 5/34 take precedence](#))}
- 5/30 . . . by freezing out the water
- 5/32 . . . by lyophilisation
- 5/34 . . . by spraying into a gas stream
- 5/36 . . Further treatment of dried coffee extract; Preparations produced thereby, e.g. instant coffee ({[A23F 5/246 takes precedence](#)}); removing unwanted substances [A23F 5/18](#); flavouring [A23F 5/46](#))
- 5/38 . . . Agglomerating, flaking or tableting {or granulating}
- 5/385 . . . . {Tablets or other similar solid forms}
- 5/40 . . . using organic additives, e.g. milk, sugar
- 5/405 . . . . {comprising ground coffee or ground coffee substitute particles}
- 5/42 . . . using inorganic additives
- 5/44 . . Coffee substitutes
- 5/46 . . Coffee flavour; Coffee oil; Flavouring of coffee or coffee extract ([synthetic coffee flavours A23L 27/28](#))
- 5/465 . . {Flavouring with flavours other than natural coffee flavour or coffee oil}
- 5/48 . . Isolation {or recuperation} of coffee flavour or coffee oil
- 5/483 . . . {by solvent extraction of the beans, ground or not}
- 5/486 . . . {by distillation from beans, ground or not, e.g. stripping; Recovering volatile gases, e.g. roaster or grinder gases}
- 5/50 . . . from coffee extract
- 5/505 . . . . {by distillation, e.g. stripping the extract; Recovering volatile gases, e.g. during concentration}

## 2200/00 Special features