

# CPC COOPERATIVE PATENT CLASSIFICATION

## A HUMAN NECESSITIES

### FOODSTUFFS; TOBACCO

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

(NOTE omitted)

#### A23F COFFEE; TEA; THEIR SUBSTITUTES; MANUFACTURE, PREPARATION, OR INFUSION THEREOF (coffee or tea pots [A47G 19/14](#); tea infusers [A47G 19/16](#); apparatus for making beverages, e.g. coffee or tea, [A47J 31/00](#); coffee mills [A47J 42/00](#))

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|-------------|--|-------------|--|
| <b>3/00</b> | <b>Tea; Tea substitutes; Preparations thereof</b>  | 3/366       | . . {by extraction of the leaves with selective solvents}  |
| 3/06        | . Treating tea before extraction (reducing or removing alkaloid content <a href="#">A23F 3/36</a> ); Preparations produced thereby (tea extract preparations <a href="#">A23F 3/16</a> ) | 3/38        | . . Reducing or removing alkaloid content from tea extract   |
| 3/08        | . . Oxidation; Fermentation  | 3/385       | . . . {using flocculating, precipitating, adsorbing or complex-forming agents, or ion-exchangers}  |
| 3/10        | . . . Fermentation with addition of microorganisms or enzymes  | 3/40        | . Tea flavour; Tea oil; Flavouring of tea or tea extract (synthetic tea flavours <a href="#">A23L 27/20</a> )  |
| 3/12        | . . Rolling or shredding tea leaves  | 3/405       | . . {Flavouring with flavours other than natural tea flavour or tea oil}   |
| 3/14        | . . Tea preparations, e.g. using additives (flavouring <a href="#">A23F 3/40</a> )   | 3/42        | . . Isolation {or recuperation} of tea flavour or tea oil  |
| 3/16        | . Tea extraction; Tea extracts; Treating tea extract; Making instant tea   | 3/423       | . . . {by solvent extraction; Tea flavour from tea oil}  |
| 3/163       | . . {Liquid or semi-liquid tea extract preparations, e.g. gels, liquid extracts in solid capsules}   | 3/426       | . . . {by distillation, e.g. stripping leaves; Recovering volatile gases (flavour from tea oil <a href="#">A23F 3/423</a> )}   |
| 3/166       | . . {Addition of, or treatment with, enzymes or microorganisms}  | <b>5/00</b> | <b>Coffee; Coffee substitutes; Preparations thereof</b>  |
| 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> )                        | 5/02        | . Treating green coffee; Preparations produced thereby (roasting <a href="#">A23F 5/04</a> ; removing unwanted substances <a href="#">A23F 5/16</a> ; reducing or removing alkaloid content <a href="#">A23F 5/20</a> ; extraction <a href="#">A23F 5/24</a> ) |
| 3/20        | . . Removing unwanted substances ({ <a href="#">A23F 3/166</a> takes precedence}; reducing or removing alkaloid content <a href="#">A23F 3/38</a> )                                      | 5/04        | . Methods of roasting coffee (machines therefor <a href="#">A23N 12/00</a> )   |
| 3/205       | . . . {Using flocculating or adsorbing agents}   | 5/043       | . . {in the presence of inert particles}   |
| 3/22        | . . Drying or concentrating tea extract ({ <a href="#">A23F 3/166</a> takes 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)}  |
| 3/225       | . . . {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)}   | 5/06        | . . of roasting extracted coffee {; Caramelisation of coffee extract}  |
| 3/24        | . . . by freezing out the water  | 5/08        | . Methods of grinding coffee (coffee mills <a href="#">A47J 42/00</a> )  |
| 3/26        | . . . by lyophilisation  | 5/10        | . Treating roasted coffee; Preparations produced thereby (removing unwanted substances <a href="#">A23F 5/16</a> ; reducing or removing alkaloid content <a href="#">A23F 5/20</a> ; coffee extraction, making instant coffee <a href="#">A23F 5/24</a> )      |
| 3/28        | . . . by spraying into a gas stream  | 5/105       | . . {Treating in vacuum or with inert or noble gases; Storing in gaseous atmosphere; Packaging}  |
| 3/30        | . . Further treatment of dried tea extract; Preparations produced thereby, e.g. instant tea ({ <a href="#">A23F 3/166</a> takes precedence}; flavouring <a href="#">A23F 3/40</a> )      | 5/12        | . . Agglomerating, flaking or tableting (of coffee extract or instant coffee <a href="#">A23F 5/38</a> )   |
| 3/32        | . . . Agglomerating, flaking or tableting {or granulating}   | 5/125       | . . . {Tablets or other similar solid forms}   |
| 3/34        | . Tea substitutes, e.g. matè; Extracts or infusions thereof  | 5/14        | . . using additives, e.g. milk, sugar; Coating, e.g. for preserving (flavouring <a href="#">A23F 5/46</a> )  |
| 3/36        | . Reducing or removing alkaloid content; Preparations produced thereby; Extracts or infusions thereof  | 5/145       | . . . {Coating whole beans with a layer}   |
| 3/363       | . . {by addition of alkaloid neutralising or complexing agents ( <a href="#">A23F 3/166</a> takes precedence)}   |             |  |

- 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](#)); isolation of coffee flavour or coffee oil [A23F 5/48](#))
- 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**