

# CPC COOPERATIVE PATENT CLASSIFICATION

## C CHEMISTRY; METALLURGY

(NOTES omitted)

### CHEMISTRY

## C05 FERTILISERS; MANUFACTURE THEREOF

(NOTES omitted)

## C05F ORGANIC FERTILISERS NOT COVERED BY SUBCLASSES [C05B](#), [C05C](#), e.g. FERTILISERS FROM WASTE OR REFUSE {(breeding of earthworms [A01K 67/0332](#))}

### NOTE

Processes where the composting step is the characterising feature, or apparatus therefor, are classified in group [C05F 17/00](#).

### WARNING

The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:

[C05F 15/00](#) covered by [C05F 1/00-C05F 11/00](#)  
(see also internal note after the title of class [C05](#))

|             |   |              |  |
|-------------|---|--------------|--|
| <b>1/00</b> | <b>Fertilisers made from animal corpses, or parts thereof</b>   | 9/04         | • Biological compost   |
| 1/002       | • {from fish or from fish-wastes}   | <b>11/00</b> | <b>Other organic fertilisers</b>   |
| 1/005       | • {from meat-wastes or from other wastes of animal origin, e.g. skins, hair, hoofs, feathers, blood}  | 11/02        | • from peat, brown coal, and similar vegetable deposits  |
| 1/007       | • {from derived products of animal origin or their wastes, e.g. leather, dairy products}  | 11/04        | • Horticultural earth from peat (growth substrates containing peat <a href="#">A01G 24/28</a> )                              |
| 1/02        | • Apparatus for the manufacture   |              | <b>WARNING</b>   |
| <b>3/00</b> | <b>Fertilisers from human or animal excrements, e.g. manure</b>   |              | Group <a href="#">C05F 11/04</a> is impacted by reclassification into group <a href="#">A01G 24/28</a> .                     |
| 3/02        | • Guano   |              | Groups <a href="#">C05F 11/04</a> and <a href="#">A01G 24/28</a> should be considered in order to perform a complete search. |
| 3/04        | • from human faecal masses  |              |  |
| 3/06        | • Apparatus for the manufacture   |              |  |
| <b>5/00</b> | <b>Fertilisers from distillery wastes, molasses, vinasses, sugar plant or similar wastes or residues, {e.g. from waste originating from industrial processing of raw material of agricultural origin or derived products thereof}</b> | 11/06        | • . Apparatus for the manufacture  |
| 5/002       | • {Solid waste from mechanical processing of material, e.g. seed coats, olive pits, almond shells, fruit residue, rice hulls}   | 11/08        | • Organic fertilisers containing added bacterial cultures, mycelia or the like   |
| 5/004       | • {Liquid waste from mechanical processing of material, e.g. wash-water, milling fluid, filtrate}   | 11/10        | • Fertilisers containing plant vitamins or hormones  |
| 5/006       | • {Waste from chemical processing of material, e.g. distillation, roasting, cooking}  | <b>17/00</b> | <b>Preparation of fertilisers characterised by the composting step</b>   |
| 5/008       | • . {Waste from biochemical processing of material, e.g. fermentation, breweries}   | 17/0009      | • {in concurrence with invertebrata, (e.g. worms, flies, maggots)}   |
| <b>7/00</b> | <b>Fertilisers from waste water, sewage sludge, sea slime, ooze or similar masses</b>   | 17/0018      | • {Processing of liquids or slurries}  |
| 7/005       | • {Waste water from industrial processing material neither of agricultural nor of animal origin}  | 17/0027      | • {Multi-step composting process, (e.g. anaerobic-aerobic)}  |
| 7/02        | • from sulfite liquor or other waste lyes from the manufacture of cellulose   | 17/0036      | • {Activators/stimulators for composting process}  |
| 7/04        | • from waste liquors in the potash industry   | 17/0045      | • {Adding/removing compounds to/from the process streams other than water and air}   |
| <b>9/00</b> | <b>Fertilisers from household or town refuse</b>  | 17/0054      | • . {the process stream being a gas}   |
| 9/02        | • Apparatus for the manufacture   | 17/0063      | • {adding/removing heat to/from the composting process}  |
|             |   | 17/0072      | • {with process parameter responsive control}  |
|             |   | 17/0081      | • {using irradiation, (e.g. solar, nuclear) or electric or magnetic fields}  |
|             |   | 17/009       | • {Elimination of harmful substances, the end product being a fertilizer}  |
|             |   | 17/02        | • Apparatus therefor   |

- 17/0205 . . {Small scale installations, i.e. no provisions for mechanically feeding or removing of material from installations, e.g. bins, garden composters}
- 17/0211 . . {Portable or transportable devices, e.g. transport containers, trucks}
- 17/0217 . . {Systematic, essentially horizontal displacement of material from entrance to exit of installation}
- 17/0223 . . . {Cylinders; Drums}
- 17/0229 . . . {Tunnels}
- 17/0235 . . . {Mixing or moving equipment following predetermined, fixed paths, e.g. rails, cables}
- 17/0241 . . . {Mixing and moving equipment not restricted by rails, cables or the like}
- 17/0247 . . {Systematic, essentially vertical displacement of material from entrance to exit of installation}
- 17/0252 . . . {the material going from platform to platform}
- 17/0258 . . {Parts or details of composting apparatus, e.g. floors, covers, doors}
- 17/0264 . . . {Details regulating incoming and outgoing process streams from apparatus}
- 17/027 . . . . {the process stream being a gas stream, e.g. aeration patterns}
- 17/0276 . . . . {the process stream being a liquid stream, e.g. humidification details}
- 17/0282 . . . {Devices for measuring process parameters, e.g. temperature, pressure, water content}
- 17/0288 . . {Flow sheets for composting process}
- 17/0294 . . {Installation consisting of individual composting reactors in series}