

# 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 biological or biochemical treatment steps, e.g. composting or fermentation</b>  |
| 5/008       | • • {Waste from biochemical processing of material, e.g. fermentation, breweries}   | 17/05        | • Treatments involving invertebrates, e.g. worms, flies or maggots   |
| <b>7/00</b> | <b>Fertilisers from waste water, sewage sludge, sea slime, ooze or similar masses</b>   | 17/10        | • Addition or removal of substances other than water or air to or from the material during the treatment (for activating or stimulating the treatment <a href="#">C05F 17/20</a> ) |
| 7/005       | • {Waste water from industrial processing material neither of agricultural nor of animal origin}  | 17/15        | • • {the material being gas}   |
| 7/02        | • from sulfite liquor or other waste lyes from the manufacture of cellulose   | 17/20        | • using specific microorganisms or substances, e.g. enzymes, for activating or stimulating the treatment (use of invertebrates <a href="#">C05F 17/05</a> )                        |
| 7/04        | • from waste liquors in the potash industry   | 17/30        | • using irradiation, e.g. solar or nuclear radiation; using electric or magnetic fields  |
| <b>9/00</b> | <b>Fertilisers from household or town refuse</b>  | 17/40        | • Treatment of liquids or slurries   |
| 9/02        | • Apparatus for the manufacture   | 17/50        | • Treatments combining two or more different biological or biochemical treatments, e.g. anaerobic and aerobic treatment or vermicomposting and aerobic treatment                   |

- 17/60 . Heating or cooling during the treatment
- 17/70 . Controlling the treatment in response to process parameters
- 17/80 . Separation, elimination or disposal of harmful substances during the treatment
- 17/90 . Apparatus therefor
- 17/907 . . Small-scale devices without mechanical means for feeding or discharging material, e.g. garden compost bins
- 17/914 . . Portable or transportable devices, e.g. transport containers or trucks
- 17/921 . . Devices in which the material is conveyed essentially horizontally between inlet and discharge means
- 17/929 . . . Cylinders or drums
- 17/936 . . . Tunnels
- 17/939 . . . {Means for mixing or moving with predetermined or fixed paths, e.g. rails or cables}
- 17/943 . . . Means for combined mixing and conveying
- 17/95 . . Devices in which the material is conveyed essentially vertically between inlet and discharge means
- 17/955 . . . {the material going from platform to platform}
- 17/957 . . using two or more serially arranged devices
- 17/964 . . Constructional parts, e.g. floors, covers or doors
- 17/971 . . . for feeding or discharging materials to be treated; for feeding or discharging other material
- 17/979 . . . . the other material being gaseous
- 17/986 . . . . the other material being liquid
- 17/989 . . {Flow sheets for biological or biochemical treatment}
- 17/993 . . Arrangements for measuring process parameters, e.g. temperature, pressure or humidity