

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](#))

| | | | |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1/00 | Fertilisers made from animal corpses, or parts thereof | 9/04 | • Biological compost |
| 1/002 | • {from fish or from fish-wastes} | 11/00 | Other organic fertilisers |
| 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 A01G 24/28) |
| 1/02 | • Apparatus for the manufacture | | WARNING |
| 3/00 | Fertilisers from human or animal excrements, e.g. manure | | Group C05F 11/04 is impacted by reclassification into group A01G 24/28 . |
| 3/02 | • Guano | | Groups C05F 11/04 and A01G 24/28 should be considered in order to perform a complete search. |
| 3/04 | • from human faecal masses | | |
| 3/06 | • Apparatus for the manufacture | | |
| 5/00 | 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} | 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} | 17/00 | Preparation of fertilisers characterised by biological or biochemical treatment steps, e.g. composting or fermentation |
| 5/008 | • • {Waste from biochemical processing of material, e.g. fermentation, breweries} | 17/05 | • Treatments involving invertebrates, e.g. worms, flies or maggots |
| 7/00 | Fertilisers from waste water, sewage sludge, sea slime, ooze or similar masses | 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 C05F 17/20) |
| 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 C05F 17/05) |
| 7/04 | • from waste liquors in the potash industry | 17/30 | • using irradiation, e.g. solar or nuclear radiation; using electric or magnetic fields |
| 9/00 | Fertilisers from household or town refuse | 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