

CPC**COOPERATIVE PATENT CLASSIFICATION****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 used in the CPC scheme. Subject matter covered by these groups is classified in the following CPC groups (see also internal note after the title of class [C05](#)):

[C05F 15/00](#) covered by [C05F 1/00-C05F 11/00](#)

C05F 1/00

Fertilisers made from animal corpses, or parts thereof

[C05F 1/002](#)

- . { from fish or from fish-wastes }

[C05F 1/005](#)

- . { from meat-wastes or from other wastes of animal origin, e.g. skins, hair, hoofs, feathers, blood }

[C05F 1/007](#)

- . { from derived products of animal origin or their wastes, e.g. leather, dairy products }

[C05F 1/02](#)

- . Apparatus for the manufacture

C05F 3/00

Fertilisers from human or animal excrements, e.g. manure

[C05F 3/02](#)

- . Guano

[C05F 3/04](#)

- . from human faecal masses

[C05F 3/06](#)

- . Apparatus for the manufacture

C05F 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 }

[C05F 5/002](#)

- . { Solid waste from mechanical processing of material, e.g. seed coats, olive pits, almond shells, fruit residue, rice hulls }

[C05F 5/004](#)

- . { Liquid waste from mechanical processing of material, e.g. wash-water, milling fluid, filtrate }

[C05F 5/006](#)

- . { Waste from chemical processing of material, e.g. diestillation, roasting, cooking }

- C05F 5/008 . . { Waste from biochemical processing of material, e.g. fermentation, breweries }
- C05F 7/00 Fertilisers from waste water, sewage sludge, sea slime, ooze or similar masses**
(methods or installations for de-watering, drying or incineration of sludge [C02F 11/00](#))
- C05F 7/005 . { Waste water from industrial processing material neither of agricultural nor of animal origin }
- C05F 7/02 . from sulfite liquor or other waste lyes from the manufacture of cellulose
- C05F 7/04 . from waste liquors in the potash industry
- C05F 9/00 Fertilisers from household or town refuse**
- C05F 9/02 . Apparatus for the manufacture
- C05F 9/04 . Biological compost
- C05F 11/00 Other organic fertilisers**
- C05F 11/02 . from peat, brown coal, and similar vegetable deposits
- C05F 11/04 . . Horticultural earth ("Gärtnerische Erden") from peat
- C05F 11/06 . . Apparatus for the manufacture
- C05F 11/08 . Organic fertilisers containing added bacterial cultures, mycelia or the like
- C05F 11/10 . Fertilisers containing plant vitamins or hormones
- C05F 17/00 Preparation of fertilisers characterised by the composting step**
- C05F 17/0009 . { in concurrence with invertebrata, (e.g. worms, flies, maggots) }
- C05F 17/0018 . { Processing of liquids or slurries }
- C05F 17/0027 . { Multi-step composting process, (e.g. anaerobic-aerobic) }
- C05F 17/0036 . { Activators/stimulators for composting process }
- C05F 17/0045 . { Adding/removing compounds to/from the process streams other than water and air }
- C05F 17/0054 . . { the process stream being a gas }
- C05F 17/0063 . { adding/removing heat to/from the composting process }
- C05F 17/0072 . { with process parameter responsive control }
- C05F 17/0081 . { using irradiation, (e.g. solar, nuclear) or electric or magnetic fields }
- C05F 17/009 . { Elimination of harmful substances, the end product being a fertilizer }

- C05F 17/02 . Apparatus therefor
- C05F 17/0205 .. { Small scale installations, i.e. no provisions for mechanically feeding or removing of material from installations, e.g. bins, garden composters }
- C05F 17/0211 .. { Portable or transportable devices, e.g. transport containers, trucks }
- C05F 17/0217 .. { Systematic, essentially horizontal displacement of material from entrance to exit of installation }
- C05F 17/0223 ... { Cylinders; Drums }
- C05F 17/0229 ... { Tunnels }
- C05F 17/0235 ... { Mixing or moving equipment following predetermined, fixed paths, e.g. rails, cables }
- C05F 17/0241 ... { Mixing and moving equipment not restricted by rails, cables or the like }
- C05F 17/0247 .. { Systematic, essentially vertical displacement of material from entrance to exit of installation }
- C05F 17/0252 ... { the material going from platform to platform }
- C05F 17/0258 .. { Parts or details of composting apparatus, e.g. floors, covers, doors }
- C05F 17/0264 ... { Details regulating incoming and outgoing process streams from apparatus }
- C05F 17/027 { the process stream being a gas stream, e.g. aeration patterns }
- C05F 17/0276 { the process stream being a liquid stream, e.g. humidification details }
- C05F 17/0282 ... { Devices for measuring process parameters, e.g. temperature, pressure, water content }
- C05F 17/0288 .. { Flow sheets for composting process }
- C05F 17/0294 .. { Installation consisting of individual composting reactors in series }