CHEMISTRY; METALLURGY

CHEMISTRY

C05 FERTILISERS; MANUFACTURE THEREOF

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

1/00 Fertilisers made from animal corpses, or parts thereof

1/002 . (from fish or from fish-wastes)

1/005 . (from meat-wastes or from other wastes of animal origin, e.g. skins, hair, hoofs, feathers, blood)

1/007 . (from derived products of animal origin or their wastes, e.g. leather, dairy products)

1/02 . Apparatus for the manufacture

3/00 Fertilisers from human or animal excrements, e.g. manure

3/02 . Guano

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)

5/002 . (Solid waste from mechanical processing of material, e.g. seed coats, olive pits, almond shells, fruit residue, rice hulls)

5/004 . (Liquid waste from mechanical processing of material, e.g. wash-water, milling fluid, filtrate)

5/006 . (Waste from chemical processing of material, e.g. distillation, roasting, cooking)

5/008 . (Waste from biochemical processing of material, e.g. fermentation, breweries)

7/00 Fertilisers from waste water, sewage sludge, sea slime, ooze or similar masses

7/005 . (Waste water from industrial processing material neither of agricultural nor of animal origin)

7/02 . from sulfite liquor or other waste lyes from the manufacture of cellulose

7/04 . from waste liquors in the potash industry

9/00 Fertilisers from household or town refuse

9/02 . Apparatus for the manufacture

9/04 . Biological compost

11/00 Other organic fertilisers

11/02 . from peat, brown coal, and similar vegetable deposits

11/04 . Horticultural earth from peat (growth substrates containing peat A01G 24/28)

WARNING
Group C05F 11/04 is impacted by reclassification into group A01G 24/28. Groups C05F 11/04 and A01G 24/28 should be considered in order to perform a complete search.

11/06 . Apparatus for the manufacture

11/08 . Organic fertilisers containing added bacterial cultures, mycelia or the like

11/10 . Fertilisers containing plant vitamins or hormones

17/00 Preparation of fertilisers characterised by biological or biochemical treatment steps, e.g. composting or fermentation

17/05 . Treatments involving invertebrates, e.g. worms, flies or maggots

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)

17/15 . (the material being gas)

17/20 . using specific microorganisms or substances, e.g. enzymes, for activating or stimulating the treatment (use of invertebrates C05F 17/05)

17/30 . using irradiation, e.g. solar or nuclear radiation; using electric or magnetic fields

17/40 . Treatment of liquids or slurries

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