CHEMISTRY

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
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.

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
Heating or cooling during the treatment
Controlling the treatment in response to process parameters
Separation, elimination or disposal of harmful substances during the treatment
Apparatus therefor
Small-scale devices without mechanical means for feeding or discharging material, e.g. garden compost bins
Portable or transportable devices, e.g. transport containers or trucks
Devices in which the material is conveyed essentially horizontally between inlet and discharge means
Cylinders or drums
Tunnels
[Means for mixing or moving with predetermined or fixed paths, e.g. rails or cables]
Means for combined mixing and conveying
Devices in which the material is conveyed essentially vertically between inlet and discharge means
[the material going from platform to platform]
using two or more serially arranged devices
Constructional parts, e.g. floors, covers or doors
for feeding or discharging materials to be treated; for feeding or discharging other material
the other material being gaseous
the other material being liquid
[Flow sheets for biological or biochemical treatment]
Arrangements for measuring process parameters, e.g. temperature, pressure or humidity