

# CPC COOPERATIVE PATENT CLASSIFICATION

## C CHEMISTRY; METALLURGY

(NOTES omitted)

### CHEMISTRY

**C05 FERTILISERS; MANUFACTURE THEREOF** (processes or devices for granulating materials, in general [B01J 2/00](#); soil-conditioning or soil-stabilising materials [C09K 17/00](#))  
(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>	9/02	• Apparatus for the manufacture
		9/04	• Biological compost
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}	<b>11/00</b>	<b>Other organic fertilisers</b>
1/007	• {from derived products of animal origin or their wastes, e.g. leather, dairy products}	11/02	• from peat, brown coal, and similar vegetable deposits
1/02	• Apparatus for the manufacture	11/04	• Horticultural earth from peat (growth substrates containing peat <a href="#">A01G 24/28</a> )
<b>3/00</b>	<b>Fertilisers from human or animal excrements, e.g. manure</b>		
3/02	• Guano		
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>		
5/002	• {Solid waste from mechanical processing of material, e.g. seed coats, olive pits, almond shells, fruit residue, rice hulls}	11/06	• . Apparatus for the manufacture
5/004	• {Liquid waste from mechanical processing of material, e.g. wash-water, milling fluid, filtrate}	11/08	• Organic fertilisers containing added bacterial cultures, mycelia or the like
5/006	• {Waste from chemical processing of material, e.g. distillation, roasting, cooking}	11/10	• Fertilisers containing plant vitamins or hormones
5/008	• . {Waste from biochemical processing of material, e.g. fermentation, breweries}	<b>17/00</b>	<b>Preparation of fertilisers characterised by the composting step</b>
<b>7/00</b>	<b>Fertilisers from waste water, sewage sludge, sea slime, ooze or similar masses</b>	17/0009	• {in concurrence with invertebrata, (e.g. worms, flies, maggots)}
7/005	• {Waste water from industrial processing material neither of agricultural nor of animal origin}	17/0018	• {Processing of liquids or slurries}
7/02	• from sulfite liquor or other waste lyes from the manufacture of cellulose	17/0027	• {Multi-step composting process, (e.g. anaerobic-aerobic)}
7/04	• from waste liquors in the potash industry	17/0036	• {Activators/stimulators for composting process}
<b>9/00</b>	<b>Fertilisers from household or town refuse</b>	17/0045	• {Adding/removing compounds to/from the process streams other than water and air}
		17/0054	• . {the process stream being a gas}
		17/0063	• {adding/removing heat to/from the composting process}
		17/0072	• {with process parameter responsive control}
		17/0081	• {using irradiation, (e.g. solar, nuclear) or electric or magnetic fields}

#### 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.

- 17/009 . {Elimination of harmful substances, the end product being a fertilizer}
- 17/02 . Apparatus therefor
- 17/0205 . . {Small scale installations, i.e. no provisions for mechanically feeding or removing of material from installations, e.g. bins, garden composters}
- 17/0211 . . {Portable or transportable devices, e.g. transport containers, trucks}
- 17/0217 . . {Systematic, essentially horizontal displacement of material from entrance to exit of installation}
- 17/0223 . . . {Cylinders; Drums}
- 17/0229 . . . {Tunnels}
- 17/0235 . . . {Mixing or moving equipment following predetermined, fixed paths, e.g. rails, cables}
- 17/0241 . . . {Mixing and moving equipment not restricted by rails, cables or the like}
- 17/0247 . . {Systematic, essentially vertical displacement of material from entrance to exit of installation}
- 17/0252 . . . {the material going from platform to platform}
- 17/0258 . . {Parts or details of composting apparatus, e.g. floors, covers, doors}
- 17/0264 . . . {Details regulating incoming and outgoing process streams from apparatus}
- 17/027 . . . . {the process stream being a gas stream, e.g. aeration patterns}
- 17/0276 . . . . {the process stream being a liquid stream, e.g. humidification details}
- 17/0282 . . . {Devices for measuring process parameters, e.g. temperature, pressure, water content}
- 17/0288 . . {Flow sheets for composting process}
- 17/0294 . . {Installation consisting of individual composting reactors in series}