

**CPC****COOPERATIVE PATENT CLASSIFICATION****C05B****PHOSPHATIC FERTILISERS****WARNING**

IPC group [C05B 21/00](#) is not used in the CPC scheme. Subject matter covered by this group is classified in one of the CPC groups [C05B 1/00](#) to [C05B 19/00](#) (see internal note after the title of class [C05](#))

**C05B 1/00**

**Superphosphates, i.e. fertilisers produced by reacting rock or bone phosphates with sulfuric or phosphoric acid in such amounts and concentrations as to yield solid products directly**

[C05B 1/02](#)

- . Superphosphates

[C05B 1/04](#)

- . Double-superphosphate; Triple-superphosphate; Other fertilisers based essentially on monocalcium phosphate

[C05B 1/06](#)

- . Ammoniation of superphosphates ([fertilisers based essentially on ammonium orthophosphate C05B 7/00](#))

[C05B 1/10](#)

- . Apparatus for the manufacture of superphosphates

**C05B 3/00**

**Fertilisers based essentially on di-calcium phosphate ([C05B 11/00](#) takes precedence)**

**C05B 5/00**

**Thomas phosphate; Other slag phosphates**

**C05B 7/00**

**Fertilisers based essentially on alkali or ammonium orthophosphates ([C05B 11/00](#) takes precedence)**

**C05B 9/00**

**Fertilisers based essentially on phosphates or double phosphates of magnesium ([C05B 11/00](#) takes precedence)**

**C05B 11/00**

**Fertilisers produced by wet-treating or leaching raw materials either with acids in such amounts and concentrations as to yield solutions followed by neutralisation, or with alkaline lyes**

[C05B 11/02](#)

- . Pretreatment

[C05B 11/04](#)

- . using mineral acid

[C05B 11/06](#)

- . . using nitric acid (nitrophosphates)

[C05B 11/08](#)

- . . using sulfuric acid

[C05B 11/10](#)

- . . using orthophosphoric acid

[C05B 11/12](#)

- . . using aqueous hydrochloric acid

[C05B 11/14](#)

- . . using wet gaseous acids

[C05B 11/16](#)

- . using alkaline lyes

**C05B 13/00**

**Fertilisers produced by pyrogenic processes from phosphatic materials**

[C05B 13/02](#)

- . from rock phosphates ([C05B 13/06](#) takes precedence)

[C05B 13/04](#)

- . from metallic phosphorus compounds, e.g. ferro-phosphorus

- C05B 13/06
  - . Alkali and alkaline earth meta- or polyphosphate fertilisers
- C05B 15/00
  - Organic phosphatic fertilisers** ([bone meal C05B 17/00](#))
- C05B 17/00
  - Other phosphatic fertilisers, e.g. soft rock phosphates, bone meal**
- C05B 17/02
  - . containing manganese
- C05B 19/00
  - Granulation or pelletisation of phosphatic fertilisers, other than slag** ([granulating apparatus B01J 2/00](#); [granulating slag C04B](#))
- C05B 19/02
  - . of superphosphates or mixtures containing them