

# CPC COOPERATIVE PATENT CLASSIFICATION

## C CHEMISTRY; METALLURGY

(NOTES omitted)

### CHEMISTRY

## C05 FERTILISERS; MANUFACTURE THEREOF

(NOTES omitted)

### C05B PHOSPHATIC FERTILISERS

#### WARNINGS

- The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:  
[C05B 21/00](#) covered by [C05B 1/00 - C05B 19/00](#)  
 (see internal note after the title of class [C05](#))
- In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

|              |  |              |   |
|--------------|--|--------------|---|
| <b>1/00</b>  | <b>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</b>      | 13/04        | • from metallic phosphorus compounds, e.g. ferro-phosphorus   |
| 1/02         | • Superphosphates  | 13/06        | • Alkali and alkaline earth meta- or polyphosphate fertilisers  |
| 1/04         | • Double-superphosphate; Triple-superphosphate; Other fertilisers based essentially on monocalcium phosphate   | <b>15/00</b> | <b>Organic phosphatic fertilisers (bone meal</b><br><a href="#">C05B 17/00</a> )  |
| 1/06         | • Ammoniation of superphosphates ( <a href="#">fertilisers based essentially on ammonium orthophosphate C05B 7/00</a> )  | <b>17/00</b> | <b>Other phosphatic fertilisers, e.g. soft rock phosphates, bone meal</b>   |
| 1/10         | • Apparatus for the manufacture of superphosphates   | 17/02        | • containing manganese  |
| <b>3/00</b>  | <b>Fertilisers based essentially on di-calcium phosphate (<a href="#">C05B 11/00</a> takes precedence)</b>   | <b>19/00</b> | <b>Granulation or pelletisation of phosphatic fertilisers, other than slag (<a href="#">granulating apparatus B01J 2/00</a>; <a href="#">granulating slag C04B</a>)</b> |
| <b>5/00</b>  | <b>Thomas phosphate; Other slag phosphates</b>   | 19/02        | • of superphosphates or mixtures containing them  |
| <b>7/00</b>  | <b>Fertilisers based essentially on alkali or ammonium orthophosphates (<a href="#">C05B 11/00</a> takes precedence)</b>   |              |   |
| <b>9/00</b>  | <b>Fertilisers based essentially on phosphates or double phosphates of magnesium (<a href="#">C05B 11/00</a> takes precedence)</b>   |              |   |
| <b>11/00</b> | <b>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</b> |              |   |
| 11/02        | • Pretreatment   |              |   |
| 11/04        | • using mineral acid   |              |   |
| 11/06        | • . using nitric acid (nitrophosphates)  |              |   |
| 11/08        | • . using sulfuric acid  |              |   |
| 11/10        | • . using orthophosphoric acid   |              |   |
| 11/12        | • . using aqueous hydrochloric acid  |              |   |
| 11/14        | • . using wet gaseous acids  |              |   |
| 11/16        | • using alkaline lyes  |              |   |
| <b>13/00</b> | <b>Fertilisers produced by pyrogenic processes from phosphatic materials</b>   |              |   |
| 13/02        | • from rock phosphates ( <a href="#">C05B 13/06</a> takes precedence)  |              |   |