

Title (en)  
FERTILISER PELLETS CONSISTING OF SECONDARY PHOSPHATE AND DEPLETED OF HEAVY METALS, AND METHOD FOR THE PRODUCTION THEREOF

Title (de)  
SCHWERMETALLABGEREICHETERTE DÜNGERGRANULATE AUS SEKUNDÄRPHOSPHAT UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)  
GRANULÉS D'ENGRAIS À BASE DE PHOSPHATE SECONDAIRE APPAUVRIS EN MÉTAUX LOURDS ET PROCÉDÉ DE PRODUCTION ASSOCIÉ

Publication  
**EP 3947321 A1 20220209 (DE)**

Application  
**EP 19835293 A 20191220**

Priority  
• DE 102019107691 A 20190326  
• DE 102019125644 A 20190924  
• EP 2019086584 W 20191220

Abstract (en)  
[origin: WO2020192958A1] Agricultural exploitation depletes the soil of mineral raw materials, such as phosphorous compounds, which must be replaced by subsequent supply of mineral fertilisers. The material and energetic use of biomass, for example from domestic wastes or sewage sludge, is associated with a withdrawal of nutrients and considerable amounts of organic matter from the natural substance cycles. Obtaining soil fertility by the use of artificial mineral fertilisers from fossil resources should be viewed critically from an ecological standpoint, firstly because of environmentally damaging extraction and secondly because of the introduction of heavy metals into the soils by mineral fertilisers. Phosphorus is a limited raw material, and the efficient use thereof for a fertile soil is of great importance against the background of a growing world population. From a sustainability standpoint, the closing of natural nutrient cycles is becoming increasingly important and also provides a local source of raw materials which has so far been used only to a limited extent.

IPC 8 full level  
**C05B 17/00** (2006.01); **C05B 5/00** (2006.01); **C05D 9/00** (2006.01)

CPC (source: EP)  
**C05B 5/00** (2013.01); **C05B 17/00** (2013.01); **C05D 9/00** (2013.01)

Citation (search report)  
See references of WO 2020192958A1

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**WO 2020192958 A1 20201001**; DE 112019007082 A5 20211223; EP 3947321 A1 20220209

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