

Title (en)

PROCESS FOR TREATING SLUDGE OR ASHES, ESPECIALLY CLARIFIED SLUDGE SEWAGE OR CLARIFIED SEWAGE ASHES

Publication

EP 0000195 B1 19820421 (DE)

Application

EP 78100246 A 19780627

Priority

DE 2729277 A 19770629

Abstract (en)

[origin: EP0000195A1] 1. A process for the decomposition of sludges or ashes, in particular clarifying sludges or clarifying sludge ash having a proportion of undecomposed mineral fertilizer components, in particular insoluble phosphate compounds, for fertilizer purposes, characterised in that the sludges or ashes, in particular the clarifying sludges or clarifying sludge ash, are treated at a high temperature up to 1200 degrees C, in the presence of one or more of the compounds Na_2CO_3 , CaO , $\text{Ca}(\text{OH})_2$, MgO and MgSO_4 , whereby the difficultly-soluble phosphates are converted into phosphate compounds which are highly soluble in water and/or citric acid and which are usable by plants.

IPC 1-7

C05F 7/00

IPC 8 full level

C05B 13/00 (2006.01); **C05D 3/00** (2006.01); **C05D 3/04** (2006.01); **C05D 9/00** (2006.01); **C05F 7/00** (2006.01)

CPC (source: EP)

C05F 7/00 (2013.01); **Y02A 40/20** (2017.12)

Cited by

EP1767509A4; US5302179A; US4715884A; DE102012015065B3; CN103649016A; EP2725001A4

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