

Title (en)
METHOD AND DEVICE FOR THE POST-COMBUSTION OF SEWAGE SLUDGE ASH GENERATED IN A SEWAGE SLUDGE MONO-INCINERATION PLANT

Title (de)
VERFAHREN UND VORRICHTUNG ZUR NACHVERBRENNUNG VON IN EINER MONO-KLÄRSCHLAMMVERBRENNUNGSANLAGE ANFALLENDER KLÄRSCHLAMMASCHE

Title (fr)
PROCÉDÉ ET DISPOSITIF DE POSTCOMBUSTION DE CENDRES DE BOUE D'ÉPURATION SE FORMANT DANS UNE INSTALLATION DE MONO-COMBUSTION DE BOUE D'ÉPURATION

Publication
EP 3899370 A1 20211027 (DE)

Application
EP 19832038 A 20191216

Priority
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• DE 102019107744 A 20190326
• EP 2019085369 W 20191216

Abstract (en)
[origin: WO2020127066A1] A sewage sludge mono-incineration process is intended to provide a solution that allows sewage sludge ash to be output from a sewage sludge mono-incineration plant, which sewage sludge ash still contains an amount of unburned carbon which is, at most, low enough for the sewage sludge ash obtained to be readily usable for phosphor extraction. The solution is achieved by a method for the post-combustion of sewage sludge ash, generated in a sewage sludge mono-incineration process in a rotary kiln (3), using a hot gas or flue-gas stream that has a low oxygen content, in particular an oxygen content of 6-10 vol.% oxygen, wherein the sewage sludge ash exiting the rotary kiln (3) is supplied to the gas or flue-gas stream, which gas or flue-gas stream is removed from a fired incineration chamber (11) of an incineration plant (2a) associated with the rotary kiln (3) or from a power plant associated with the rotary kiln (3) and, as needed, is adjusted to the low oxygen content required for the post-combustion, and this sufficiently hot gas or flue-gas stream causes oxidation or post-combustion of unburned carbon contained in the sewage sludge ash.

IPC 8 full level
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CPC (source: EP KR US)
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Citation (search report)
See references of WO 2020127066A1

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