Title (en)

PROCESS FOR ASH REMEDIATION

Title (de)

VERFAHREN ZUR ASCHENREINIGUNG

Title (fr)

PROCÉDÉ POUR L'ASSAINISSEMENT DE CENDRES

Publication

EP 4313435 A1 20240207 (EN)

Application

EP 22723466 A 20220321

Priority

- GB 202103945 A 20210322
- GB 2022000033 W 20220321

Abstract (en)

[origin: WO2022200753A1] A method for treating an air pollution control residue (APCR) by creating a wet APCR mixture, promoting an exothermic reaction in the wet APCR mixture to create an APCR reaction product, adding an aqueous liquid to the APCR reaction product to form a diluted APCR reaction product, separating contaminants from the APCR reaction product in the diluted APCR reaction product by creating an aqueous solution of contaminants in the diluted APCR reaction product and a decontaminated APCR in suspension in the aqueous liquid and forming a solid decontaminated APCR product. The solid decontaminated APCR product being suitable for use as a grout material and/or as a suitable constituent of building materials including Portland cements.

IPC 8 full level

B09B 3/40 (2022.01); **C04B 18/10** (2006.01); **C04B 28/04** (2006.01); B09B 101/30 (2022.01); C04B 111/70 (2006.01)

CPC (source: EP GB)

B09B 3/00 (2013.01 - GB); **B09B 3/30** (2022.01 - GB); **B09B 3/38** (2022.01 - GB); **B09B 3/40** (2022.01 - EP); **B09B 3/70** (2022.01 - GB); **B09B 3/80** (2022.01 - GB); **B09B 5/00** (2013.01 - GB); **C04B 18/10** (2013.01 - EP); **C04B 18/101** (2013.01 - EP); **C04B 28/04** (2013.01 - EP); B09B 2101/30 (2022.01 - EP GB); C04B 2111/70 (2013.01 - EP)

C-Set (source: EP)

1. **C04B 18/10** + **C04B 20/023**
2. **C04B 28/04** + **C04B 18/101**

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022200753 A1 20220929; AU 2022242073 A1 20231026; EP 4313435 A1 20240207; GB 202103945 D0 20210505; GB 202203914 D0 20220504; GB 2607406 A 20221207

DOCDB simple family (application)

GB 2022000033 W 20220321; AU 2022242073 A 20220321; EP 22723466 A 20220321; GB 202103945 A 20210322; GB 202203914 A 20220321