

Title (en)
METHOD FOR THE HANDLING OF ASH CLASSIFIED AS WASTE, A PRODUCT FORMED WITH SAID METHOD AND USE OF SAID PRODUCT

Title (de)
VERFAHREN ZUR HANDHABUNG VON ALS ABFALL KLASSIFIZIERTER ASCHE, MIT DIESEM VERFAHREN HERGESTELLTES PRODUKT UND VERWENDUNG DES PRODUKTS

Title (fr)
PROCÉDÉ DE MANIPULATION DE CENDRES CLASSÉES COMME DÉCHETS, PRODUIT FORMÉ AVEC LEDIT PROCÉDÉ ET UTILISATION DUDIT PRODUIT

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Application
EP 18794395 A 20180503

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Abstract (en)
[origin: WO2018202954A1] The object of the invention is a method for the handling of ash classified as waste. The ash is sorted when dry according to grain size and is formed for use as an additive either in the manufacture of cement, concrete, asphalt, fertilizer, panel products, building components and/or grouting material and/or in earthworks, in soil reinforcement, in the stabilization of a road bed and other land areas, or in mine fill. Ash sorted by grain size to be suited to purpose is selected as a filler product, into which is mixed waste gypsum or other additives according to need. When manufacturing an additive for the stabilization of a road bed and other land areas, it is advantageous to use ash derived from wood combustion as the ash. The invention also relates to products manufactured with the method and to the use of said products.

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C-Set (source: EP)
1. **C04B 28/02 + C04B 18/06**
2. **C04B 28/021 + C04B 18/18 + C04B 22/143**
3. **C04B 18/06 + C04B 20/026**

Citation (search report)
• [X] JP S5595669 A 19800721 - MITSUBISHI HEAVY IND LTD
• [XY] EP 2895278 A1 20150722 - FATEC OY [FI]
• [X] JP 2011212563 A 20111027 - JUJO PAPER CO LTD
• [Y] Y.LIU ET AL.: "Porous Materials Composed of Flue Gas Desulfurization Gypsum and Textile Fiber Wastes", 7 July 2016 (2016-07-07), XP002802022, Retrieved from the Internet <URL:https://link.springer.com/article/10.1007/s12649-016-9617-y> [retrieved on 20210208]
• See references of WO 2018202954A1

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