

Title (en)  
METHOD FOR ELIMINATING RADIOACTIVE CESIUM AND METHOD FOR PRODUCING BURNED PRODUCT

Title (de)  
VERFAHREN ZUR BESEITIGUNG VON RADIOAKTIVEM CÄSIUM UND VERFAHREN ZUR HERSTELLUNG EINES GEBRANNTEN PRODUKTS

Title (fr)  
PROCÉDÉ D'ÉLIMINATION DE CÉSIUM RADIOACTIF ET PROCÉDÉ DE PRODUCTION D'UN PRODUIT CUIT

Publication  
**EP 2913826 B1 20200617 (EN)**

Application  
**EP 12887510 A 20121226**

Priority

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- JP 2012083594 W 20121226

Abstract (en)  
[origin: EP2913826A1] Provided is a method of easily and efficiently removing radioactive cesium from a waste contaminated with radioactive cesium. The method of removing radioactive cesium includes a heating step of heating a waste contaminated with radioactive cesium and a CaO source and/or a MgO source at a temperature of from 1,200 to 1,350°C to volatilize the radioactive cesium in the waste. In the heating step, the kinds and the blending ratios of the waste, the CaO source, and the MgO source are set so that the masses of CaO, MgO, and SiO<sub>2</sub> satisfy the equation: (CaO+1.39×MgO)/SiO<sub>2</sub> = 1.0 to 2.5 (in the equation, CaO, MgO, and SiO<sub>2</sub> represent the mass of calcium in terms of an oxide, the mass of magnesium in terms of an oxide, and the mass of silicon in terms of an oxide, respectively).

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CPC (source: CN EP)  
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