

Title (en)

METHOD FOR CONDITIONING LIQUID LOW-LEVEL RADIOACTIVE WASTE

Title (de)

VERFAHREN ZUR KONDITIONIERUNG FLÜSSIGER SCHWACH RADIOAKTIVER ABFÄLLE

Title (fr)

PROCÉDÉ DE CONDITIONNEMENT DE DÉCHETS LIQUIDES PEU RADIOACTIFS

Publication

EP 2673783 A1 20131218 (DE)

Application

EP 11785320 A 20111020

Priority

EP 2011005279 W 20111020

Abstract (en)

[origin: WO2013010564A1] The invention relates to a method for conditioning liquid radioactive waste, in which, in order to prepare the batch, a sorbent is introduced into the liquid waste and the waste is then separated. The method is characterised in that a hydrophobic carbon sorbent is used and, once this has been introduced into the waste, the solid phase is milled until a particle size of μm is obtained. Once the powder has been dried, this is subsequently pressed into a briquette which is granulated to form grains (globules) and these granules are treated with a microplasma in the processing area while being constantly stirred, in order for the separation to take place. Following this, the gaseous products undergo a "cold oxidation of hydrogen", while the solid sediment of the radioactive components is pressed into briquettes.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2013010564A1

Citation (examination)

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