

Title (en)
PROCESS FOR THE RECUPERATION OF URANIUM PRESENT IN PHOSPHATIC COMPOUNDS

Publication
EP 0011516 B1 19830928 (FR)

Application
EP 79400627 A 19790907

Priority
FR 7825815 A 19780908

Abstract (en)
[origin: EP0011516A1] 1. A process for recovering the uranium present in phosphate compounds by means of an organic phase containing a dialkyl-pyrophosphoric acid, characterized in that said organic phase also contains at least one mol of a solubilising agent for uranium ammonium dialkyl-pyrophosphate per mol of dialkyl-pyrophosphoric acid, and in that the process comprises the following steps, carried out at a temperature not exceeding 50 degrees C : a) bubbling anhydrous ammonia gas into the organic phase already charged with uranium, to precipitate the ammonium salt of the excess dialkyl-pyrophosphoric acid ; and, b) effecting a liquid-solid separation to separate from the organic phase the ammonium salt of the dialkyl-pyrophosphoric acid precipitated in the course of the previous step a), said solubilising agent for the uranium ammonium dialkyl-pyrophosphate being a liposoluble compound which possesses electron pairs capable of forming hydrogen bonds with the pyrophosphoric acid diesters.

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C01G 43/00; **C22B 60/02**

IPC 8 full level
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CPC (source: EP)
C22B 60/026 (2013.01)

Cited by
DE3311245A1; EP0059592A1; US4652432A

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