Title (en)
FLUORINE EXTRACTION SYSTEMS AND ASSOCIATED PROCESSES

Title (de)
FLUOREXTRAKTIONSSYSTEM UND ZUGEHÖRIGE VERFAHREN

Title (fr)
SYSTÈMES D'EXTRACTION DE FLUOR ET PROCÉDÉS ASSOCIÉS

Publication
**EP 2429939 A4 20121205 (EN)**

Application
**EP 09844451 A 20090508**

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US 2009043332 W 20090508

Abstract (en)
[origin: WO2010128970A1] Fluorine extraction systems and associated processes are described herein. In one embodiment, a fluorine extraction process can include loading a mixture containing a uranium fluoride (UxFy, where x and y are integers) and an oxidizing agent into a reaction vessel. The reaction vessel has a closed bottom section and an opening spaced apart from the bottom section. The fluorine extraction process can also include heating the mixture containing uranium fluoride and the oxidizing agent in the reaction vessel, forming at least one uranium dioxide and a non-radioactive gas product from the heated mixture, and controlling a depth of the mixture in the reaction vessel to achieve a desired reaction yield of the non-radioactive gas product.

IPC 8 full level
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**C01B 7/20** (2013.01); **C01B 9/08** (2013.01); **C01G 43/06** (2013.01)

Citation (search report)
- [XAI] US 5888468 A 19990330 - NACHTRAB WILLIAM T [US], et al
- [XI] US 5918106 A 19990629 - BULKO JOHN B [US], et al
- [XI] US 6096281 A 20000801 - BULKO JOHN B [US], et al
- See references of WO 2010128970A1

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