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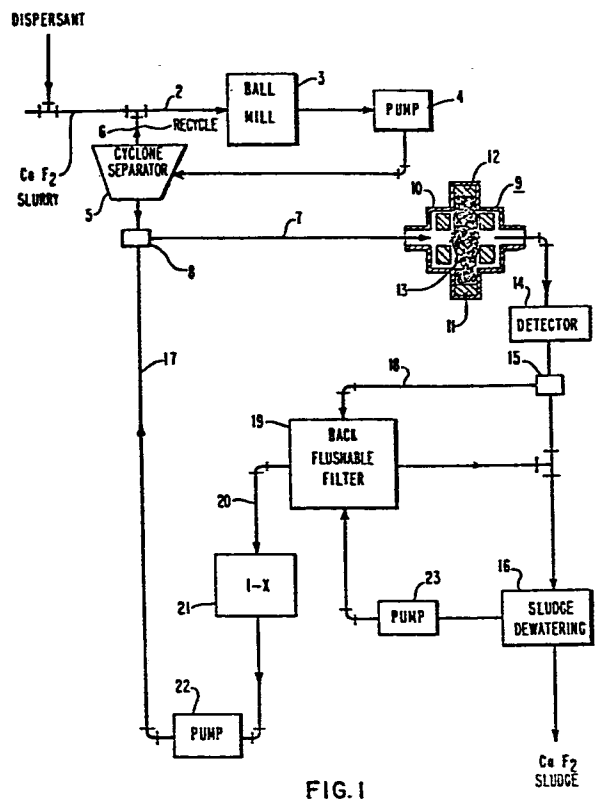
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54 **Method of recovering uranium.**

57 Method for recovering uranium from a calcium fluoride aqueous slurry which contains less than 100 parts per million of iron. The slurry is passed through a high gradient magnetic separator which results in the detention of the uranium on the intermediate in the separator. The uranium is then removed from the intermediate by, for example, dissolution in a carbonate solution or a nitric acid solution. Uranium in the carbonate solution can then be removed with an ion exchange column and later removed from the ion exchange column with a nitric acid solution. Uranium in the nitric acid solution can be extracted using a DEPA-TOPO extractant.

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. <sup>3</sup> )
A	US-A-3 394 997 (W.R. DE HOLLANDER)		C 22 B 60/02
A	GB-A-1 555 670 (UK ATOMIC ENERGY AUTHORITY)		
A	US-A-3 676 337 (H.H. KOLM)		
A,D	US-A-2 965 440 (R.M. TRIPP)		
			TECHNICAL FIELDS SEARCHED (Int. Cl. <sup>3</sup> )
			C 22 B 60/02
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 28-07-1983	Examiner SUTOR W
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			