

- [54] PROCESS FOR THE REMOVAL OF MERCURY FROM PRECIOUS METAL-CYANIDE LIQUORS
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4,072,587	2/1978	Heinen et al.	423/29
4,188,208	2/1980	Guay	75/118 R
4,256,707	3/1981	Flynn, Jr. et al.	423/101
4,289,532	9/1981	Matson et al.	423/29

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[57] ABSTRACT

This invention is a process for removing mercury from the desorption or cyanide liquor of a precious metal recovery, cyanide leach system. A sulfide ion-producing compound and a flocculating agent are added to the desorption liquor to form and flocculate mercuric sulfide. The desorption liquor typically has a cyanide concentration of between about 0.5 percent and about 2.0 percent by weight. The flocculated mercuric sulfide is separated from a substantially mercury-free precious metal-containing, cyanide solution.

[56] References Cited
 U.S. PATENT DOCUMENTS

935,337	9/1909	Thwaites	75/121
1,198,086	9/1916	Vandercook	423/29

10 Claims, 1 Drawing Figure

