

- [54] SULFIDE AS A HYPOCHLORITE KILL AGENT
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[57] **ABSTRACT**
 Residual hypochlorite contained in chlorinated slurries of either carbonaceous gold-containing ores or mixtures of carbonaceous and oxide gold-containing ores are reduced by reaction with sulfide ion-providing chemical compounds preferably sodium hydrosulfide, sodium sulfide or hydrogen sulfide. The hypochlorite “kill” step enables subsequent cyanide leach operations to be conducted more efficiently.

18 Claims, 1 Drawing Figure

