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(54) Title: MATERIALS AND PROCESSES FOR RECOVERING PRECIOUS METALS

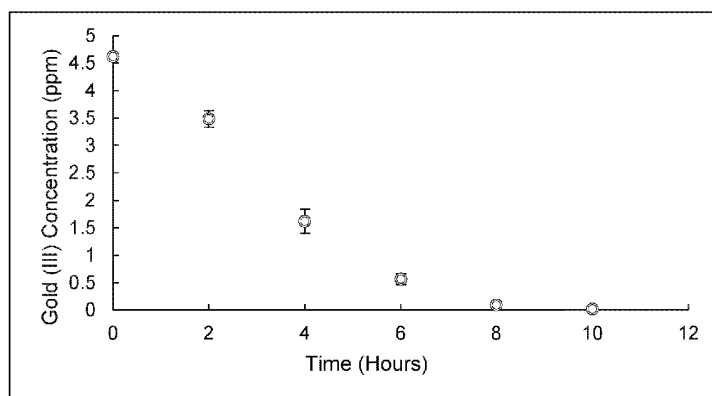


Figure 2

(57) Abstract: A process for recovering a precious metal from a precious metal containing article or composition is disclosed. The process comprises treating the precious metal containing article or composition with an oxidant composition under conditions to oxidise the precious metal in the precious metal containing article or composition to obtain a precious metal salt composition. The precious metal salt composition is then contacted with a sorbent under conditions to adsorb at least some of the precious metal salt to the sorbent to obtain a laden sorbent. At least some of the precious metal is then recovered from the laden sorbent. Alternatively, the precious metal is recovered from the precious metal salt composition by chemical reduction, electrochemical reduction and/or chemical precipitation.

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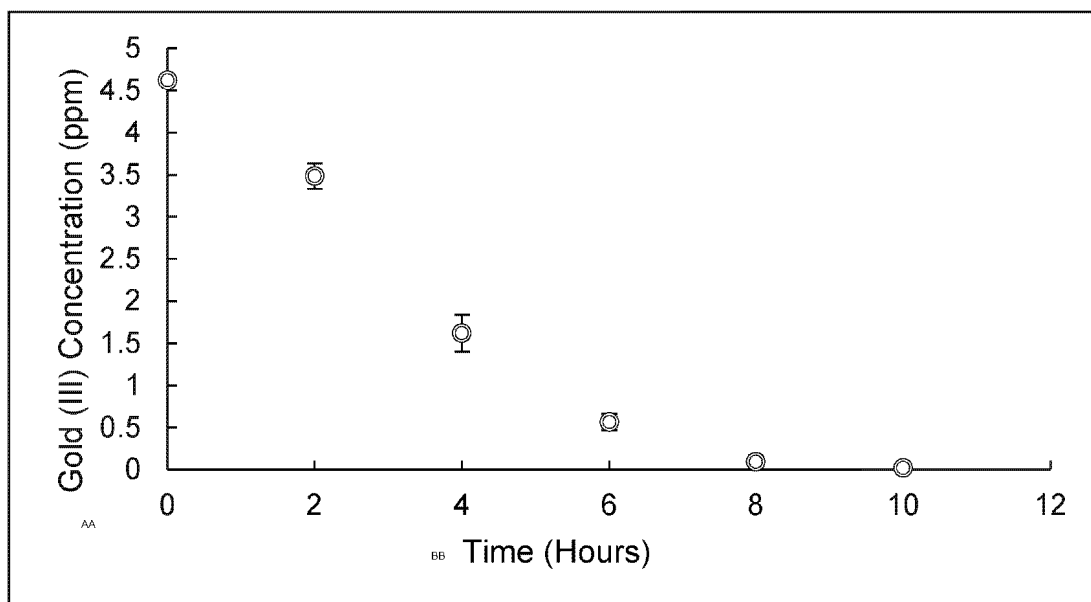


Figure 2

AA Concentration en or (III) (ppm)
BB Temps (heures)