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Savage et al.

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(54) **COPPER RECOVERY CIRCUIT**
(75) Inventors: **Barbara J. Savage**, Silver City, NM (US); **David G. Meadows**, Phoenix, AZ (US); **Wayne W. Hazen**, Lakewood, CO (US)

(73) Assignee: **Freeport-McMoran Corporation**, Phoenix, AZ (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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Related U.S. Application Data

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C21B 15/00 (2006.01)

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(58) **Field of Classification Search** **423/24, 423/8, 21.5, 22, 49, 54, 99, 139; 75/722**
See application file for complete search history.

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Primary Examiner — Steven Bos

(74) *Attorney, Agent, or Firm* — Snell & Wilmer L.L.P.

(57) **ABSTRACT**

The present invention relates generally to a process for controlled leaching and sequential recovery of two or more metals from metal-bearing materials. In one exemplary embodiment, recovery of metals from a leached metal-bearing material is controlled and improved by providing a high grade pregnant leach solution (“HGPLS”) and a low grade pregnant leach solution (“LGPLS”) to a single solution extraction plant comprising at least two solution extractor units, at least two stripping units, and, optionally, at least one wash stage.

20 Claims, 4 Drawing Sheets

