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Robertson et al.

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(54) **SYSTEMS AND METHODS FOR COPPER RECOVERY VIA ROASTING AND LEACHING**

(52) **U.S. Cl.**
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(58) **Field of Classification Search**
CPC *C25C 1/12*
See application file for complete search history.

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 209 days.

This patent is subject to a terminal disclaimer.

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(57) **ABSTRACT**

Various embodiments provide a process roasting a metal bearing material under oxidizing conditions to produce an oxidized metal bearing material, roasting the oxidized metal bearing material under reducing conditions to produce a roasted metal bearing material, and leaching the roasted metal bearing material in a basic medium to yield a pregnant leach solution.

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19 Claims, 2 Drawing Sheets

