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Marsden et al.

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(54) **PROCESS FOR RECOVERY OF COPPER FROM COPPER-BEARING MATERIAL USING PRESSURE LEACHING, DIRECT ELECTROWINNING AND SOLUTION EXTRACTION**

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(58) **Field of Classification Search** 423/24, 423/27; 205/580-583; 241/23; 75/743
See application file for complete search history.

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(57) **ABSTRACT**

The present invention relates generally to a process for recovering copper and/or other metal values from a metal-bearing ore, concentrate, or other metal-bearing material using pressure leaching and direct electrowinning. More particularly, the present invention relates to a substantially acid-autogenous process for recovering copper from chalcopyrite-containing ore using pressure leaching and direct electrowinning in combination with a leaching, solvent/solution extraction and electrowinning operation. In accordance with one aspect of the process, at least a portion of the residue from the pressure leaching operation is directed to a heap, stockpile or other leaching operation.