

[54] **TREATING REFRACTORY GOLD ORES VIA OXYGEN-ENRICHED ROASTING**

[75] **Inventors:** **Jay C. Smith**, Pearl River; **Thomas H. McCord**, Harvey, both of La.; **Gregory R. O'Neil**, Marmion, Australia

[73] **Assignee:** **Freeport McMoRan Inc.**, New Orleans, La.

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*Primary Examiner*—Robert L. Stoll  
*Attorney, Agent, or Firm*—Fisher, Christen & Sabol

[57] **ABSTRACT**

Gold-containing ores, having refractory sulfidic matter or a combination of refractory sulfidic matter and refractory carbonaceous matter, are processed to recover their gold values. The process uses an ore roasting procedure that utilizes a two-state, fluidized bed roaster. The process also employs a pure oxygen atmosphere during roasting. A carbon-in-leach step is desirably used to extract gold values from the roasted ore.

**19 Claims, 3 Drawing Sheets**

