

[54] CONCENTRATE BURNER

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[58] Field of Search ..... 266/267, 182, 221; 431/160; 75/92

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[57] ABSTRACT

A burner for smelting metal-bearing sulfide ores or concentrates by means of an oxygen-rich gas is disclosed. The oxygen-rich gas is introduced into a chamber so as to aspirate or eject the metal-bearing sulfide ore or concentrate. The oxygen-rich gas and sulfide concentrate are intimately admixed in a cylindrical mixing chamber and then jetted into the heated atmosphere of a smelting furnace.

10 Claims, 5 Drawing Figures

