

Title (en)

Reductive smelting of sulfides and a burner therefor.

Title (de)

Reduzierendes Schmelzen von Sulfiden und Brenner dafür.

Title (fr)

Fusion réductrice de sulfures et brûleur à cet usage.

Publication

**EP 0199441 A1 19861029 (EN)**

Application

**EP 86301519 A 19860304**

Priority

CA 475663 A 19850304

Abstract (en)

A burner and method for smelting metallic sulfide concentrates in a reverberatory furnace. The concentrates are passed through a central feed bore (14) of a burner. A blanketing shield of fuel is fed through a conduit (18) and envelopes the feed and thereby separates it from an oxygen-containing gas fed through a further conduit (22) prior to combustion. By shielding the feed from the oxygen, oxidation of sulfidic sulfur to sulfur dioxide is minimized.

IPC 1-7

**C22B 5/02**; **C22B 5/14**; **C22B 15/00**; **C22B 23/02**

IPC 8 full level

**C22B 5/02** (2006.01); **C22B 5/08** (2006.01); **C22B 15/00** (2006.01); **C22B 15/04** (2006.01); **C22B 23/02** (2006.01)

CPC (source: EP)

**C22B 5/02** (2013.01); **C22B 15/0036** (2013.01); **C22B 15/0052** (2013.01); **C22B 23/025** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

DE FR GB SE

DOCDB simple family (publication)

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