Title (en)

PROCESS AND APPARATUS FOR HIGH-TEMPERATURE CHEMICAL OPERATIONS

Publication

EP 0292469 B1 19930203 (DE)

Application

EP 88890123 A 19880517

Priority

AT 125887 A 19870518

Abstract (en)

[origin: WO8809390A1] In a process and a device for implementing hot chemical processes, in particular for melting and/or reduction by melting of batches of metallurgical dust, ores and other meltable or melt-reducible materials, such as SiO2, MgO, TiO2, Ta2O5 or the corresponding metals, the batches of specified composition to be melted or reduced are pressed into ingots which are arranged and maintained in caverns of specific shape around a high-intensity radiation source.

IPC 1-7

C22B 4/00; C22B 5/16; C22B 21/02

IPC 8 full level

C22B 5/02 (2006.01); **C22B 4/00** (2006.01); **C22B 5/16** (2006.01); **C22B 9/22** (2006.01); **C22B 21/02** (2006.01); **C22B 34/00** (2006.01)

CPC (source: EP US)

C22B 4/005 (2013.01 - EP US); **C22B 5/16** (2013.01 - EP US); **C22B 9/226** (2013.01 - EP US); **C22B 21/02** (2013.01 - EP US)

Cited by

WO2013064413A1; EP2589672A1; RU2615421C2

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

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EP 0292469 A1 19881123; **EP 0292469 B1 19930203**; AT 387986 B 19890410; AT A125887 A 19880915; AT E85368 T1 19930215; AU 1726188 A 19881221; AU 607768 B2 19910314; CN 1016971 B 19920610; CN 88103911 A 19881214; DD 271717 A5 19890913; DE 3878036 D1 19930318; DK 17489 A 19890308; DK 17489 D0 19890116; FI 890244 A0 19890117; FI 890244 A 19890117; IL 86404 A0 19881115; IL 86404 A 19911212; JP H02501074 A 19900412; NZ 224688 A 19900926; PH 26880 A 19921116; PT 87518 A 19890531; PT 87518 B 19920930; US 4985067 A 19910115; WO 8809390 A1 19881201; ZA 883448 B 19890222

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