

Title (en)

SMELTING PLANT WITH TWO ADJACENT SMELTING FURNACES.

Title (de)

EINSCHMELZAGGREGAT MIT ZWEI NEBENEINANDER ANGEORDNETEN SCHMELZÖFEN.

Title (fr)

INSTALLATION DE FUSION A DEUX FOURS DE FUSION ADJACENTS.

Publication

**EP 0483322 B1 19940810**

Application

**EP 91909420 A 19910516**

Priority

- DE 4015916 A 19900517
- EP 9100916 W 19910516

Abstract (en)

[origin: WO9118120A1] A smelting plant is disclosed with two adjacent, alternatively operated smelting furnaces (1/1, 1/2). The furnace gases produced during smelting are introduced into the other smelting furnace in order to pre-heat its charge. A shaft (12/1, 12/2) associated with each smelting furnace is filled with charge and the flue gases of the furnace in operation pass through the corresponding shaft (12/1, 12/2) and enter through the cover plate (4/1, 4/2) of the other furnace, once it has been charged. This makes it possible to pre-heat the charge and to filter the furnace gases through the charge during the entire smelting process.

IPC 1-7

**C21C 5/52**; **F27B 3/04**; **F27D 3/00**

IPC 8 full level

**C21C 5/52** (2006.01); **F27B 3/04** (2006.01); **F27B 3/08** (2006.01); **F27B 3/18** (2006.01); **F27D 3/00** (2006.01); **F27D 13/00** (2006.01)

CPC (source: EP KR US)

**C21C 5/52** (2013.01 - KR); **C21C 5/5252** (2013.01 - EP US); **F27B 3/04** (2013.01 - EP US); **F27B 3/085** (2013.01 - EP US); **F27B 3/186** (2013.01 - EP US)

Cited by

EP0717115A1; US5802098A; DE19545831A1; DE19545831C2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 9118120 A1 19911128**; AT E109837 T1 19940815; AU 634889 B2 19930304; AU 7863991 A 19911210; BR 9105760 A 19920908; CA 2063562 A1 19911118; CA 2063562 C 19970311; CN 1041557 C 19990106; CN 1056567 A 19911127; DE 4015916 A1 19911121; DE 59102492 D1 19940915; DK 0483322 T3 19940926; EP 0483322 A1 19920506; EP 0483322 B1 19940810; ES 2072612 T3 19950716; FI 920173 A0 19920115; FI 95814 B 19951215; FI 95814 C 19960325; HU 209854 B 19941128; HU 9200145 D0 19920428; HU T61812 A 19930301; JP H05500263 A 19930121; JP H0820180 B2 19960304; KR 920703850 A 19921218; MX 173918 B 19940408; PT 97697 A 19930630; PT 97697 B 19981231; RU 2044977 C1 19950927; TR 25664 A 19930701; US 5264020 A 19931123; ZA 913708 B 19920226

DOCDB simple family (application)

**EP 9100916 W 19910516**; AT 91909420 T 19910516; AU 7863991 A 19910516; BR 9105760 A 19910516; CA 2063562 A 19910516; CN 91103199 A 19910517; DE 4015916 A 19900517; DE 59102492 T 19910516; DK 91909420 T 19910516; EP 91909420 A 19910516; ES 91909420 T 19910516; FI 920173 A 19920115; HU 14592 A 19910516; JP 50908191 A 19910516; KR 920700097 A 19920116; MX 2584491 A 19910517; PT 9769791 A 19910516; SU 5011095 A 19920116; TR 51991 A 19910516; US 80950592 A 19920316; ZA 913708 A 19910516