

Title (en)

METHOD FOR CONTINUOUS SMELTING OF SOLID METAL PRODUCTS

Title (de)

VERFAHREN ZUM KONTINUIERLICHEN SCHMELZEN VON METALLISCHEN FESTSTOFFEN

Title (fr)

PROCEDE POUR LA FUSION EN CONTINU DE PRODUITS METALLIQUES SOLIDES

Publication

**EP 1029089 A1 20000823 (FR)**

Application

**EP 98956840 A 19980924**

Priority

- EP 9806091 W 19980924
- LU 90154 A 19971017

Abstract (en)

[origin: WO9920802A1] The invention concerns a method for continuous smelting of solid metal products in a reactor comprising a smelting zone and a metallurgical processing zone, which consists in continuously heating the solid metal products in the smelting zone, gradually transferring said smelted products into the metallurgical process zone, refining the smelted products in the metallurgical process zone in an oxidising slag medium, separating the metallurgical process zone slag from the smelting zone slag, transforming the oxidising slag in the metallurgical process zone into a reducing slag, desulphurizing the smelted products in the metallurgical processing zone in a reducing slag medium and casting the smelted metal.

IPC 1-7

**C21C 5/52**; **C21C 5/56**

IPC 8 full level

**C21C 5/52** (2006.01); **C21C 5/56** (2006.01)

CPC (source: EP US)

**C21C 5/5252** (2013.01 - EP US); **C21C 5/567** (2013.01 - EP US)

Cited by

DE102011087065A1; WO2013075999A1

Designated contracting state (EPC)

AT DE ES GB

DOCDB simple family (publication)

**WO 9920802 A1 19990429**; AR 013667 A1 20010110; AT E221134 T1 20020815; AU 1334599 A 19990510; BR 9812926 A 20000808; DE 69806796 D1 20020829; DE 69806796 T2 20030220; EP 1029089 A1 20000823; EP 1029089 B1 20020724; ES 2178285 T3 20021216; LU 90154 B1 19990419; MA 24658 A1 19990401; TW 400389 B 20000801; US 6314123 B1 20011106; ZA 988966 B 19990412

DOCDB simple family (application)

**EP 9806091 W 19980924**; AR P980104895 A 19981001; AT 98956840 T 19980924; AU 1334599 A 19980924; BR 9812926 A 19980924; DE 69806796 T 19980924; EP 98956840 A 19980924; ES 98956840 T 19980924; LU 90154 A 19971017; MA 25274 A 19980929; TW 87106040 A 19980418; US 52959200 A 20000925; ZA 988966 A 19981001