

Title (en)

METHOD FOR THE PYROMETALLURGICAL PRODUCTION OF COPPER IN A CONVERTER

Title (de)

VERFAHREN ZUR PYROMETALLURGISCHEN ERZEUGUNG VON KUPFER IN EINEM KONVERTER

Title (fr)

PROCEDE DE PRODUCTION PYROMETALLURGIQUE DU CUIVRE DANS UN CONVERTISSEUR

Publication

EP 1656464 B1 20070103 (DE)

Application

EP 03818380 A 20030823

Priority

EP 0309367 W 20030823

Abstract (en)

[origin: WO2005021808A1] The invention relates to a method for the pyrometallurgical production of copper in a converter. According to said method, gas is introduced into the respective molten charge during all steps thereof (charging the converter with cupriferous crude melt, treating the molten charge to obtain Cu₂S and slag, removing the slag, converting Cu₂S into Cu, emptying the converter).

IPC 8 full level

C22B 15/06 (2006.01); **C22B 9/05** (2006.01); **C22B 15/00** (2006.01); **C22B 15/14** (2006.01)

CPC (source: EP US)

C22B 9/05 (2013.01 - EP US); **C22B 15/0041** (2013.01 - EP US); **C22B 15/006** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005021808 A1 20050310; AT E350500 T1 20070115; AU 2003258656 A1 20050316; CA 2539011 A1 20050310;
CN 100357463 C 20071226; CN 1820087 A 20060816; DE 50306237 D1 20070215; EP 1656464 A1 20060517; EP 1656464 B1 20070103;
ES 2279232 T3 20070816; JP 2007515549 A 20070614; JP 4477580 B2 20100609; US 2006236812 A1 20061026

DOCDB simple family (application)

EP 0309367 W 20030823; AT 03818380 T 20030823; AU 2003258656 A 20030823; CA 2539011 A 20030823; CN 03826952 A 20030823;
DE 50306237 T 20030823; EP 03818380 A 20030823; ES 03818380 T 20030823; JP 2005508352 A 20030823; US 56628903 A 20030823