

Title (en)

A METHOD FOR INCREASING THE CHROME TO IRON RATIO OF CHROMITES PRODUCTS

Title (de)

VERFAHREN ZUR ERHÖHUNG DES CHROM/EISEN-VERHÄLTNISSES VON CHROMITPRODUKTEN

Title (fr)

PROCEDE PERMETTANT D'ACCROITRE LE RAPPORT CHROME-FER DES PRODUITS CHROMITES

Publication

EP 1590494 A1 20051102 (EN)

Application

EP 04708695 A 20040206

Priority

- CA 2004000165 W 20040206
- CA 2418546 A 20030206
- US 44543703 P 20030207

Abstract (en)

[origin: WO2004070066A1] A method for increasing the chrome to iron ratio of a chromite product selected from the group consisting of ore and ore concentrate comprising the steps of mixing the chromite product with at least one salt so as to produce a mixture, whereby the concentration of salt in the mixture is selected to induce the selective chlorination of iron; and chlorinating the mixture in the presence of CO at a temperature sufficient to induce the formation of a thin film of a melt around the chromite product and at a temperature able to promote the selective chlorination of iron, whereby an iron impoverished chromite product is yielded having an increased chromite to iron ratio as compared to that of the chromite product.

IPC 1-7

C22B 1/08; **C22B 34/32**

IPC 8 full level

C22B 1/08 (2006.01); **C22B 34/32** (2006.01); **C22B 34/12** (2006.01)

CPC (source: EP)

C22B 1/08 (2013.01); **C22B 34/32** (2013.01); **C22B 34/1209** (2013.01)

Cited by

CN108101120A; CN112798550A

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 2004070066 A1 20040819; AT E335861 T1 20060915; AU 2004209574 A1 20040819; DE 602004001860 D1 20060921; EP 1590494 A1 20051102; EP 1590494 B1 20060809

DOCDB simple family (application)

CA 2004000165 W 20040206; AT 04708695 T 20040206; AU 2004209574 A 20040206; DE 602004001860 T 20040206; EP 04708695 A 20040206