

Title (en)

PROCESS FOR MANUFACTURING FINE METALLIC CHROMIUM POWDER WITH A LOW OXYGEN CONTENT

Publication

EP 0144868 B1 19890125 (DE)

Application

EP 84114148 A 19841123

Priority

DE 3343989 A 19831206

Abstract (en)

[origin: US4767454A] For preparing a chromium metal powder lacking in oxygen and having an average particle size not greater than 20 μm , a mixture of chromium oxide and calcium oxide, in a molar ratio of 1:0.5 to 1:2, is calcined initially at temperatures of 650 DEG to 1,200 DEG C. with access of oxygen up to a weight increase of 1 to 6 g per mole of chromium oxide, the calcined product is comminuted to a particle size not greater than 100 μm and the product so obtained is reduced calciothermally. The calcium oxide can be replaced wholly or partially by calcium carbonate.

IPC 1-7

B22F 9/20; **C22B 5/04**; **C22B 34/32**

IPC 8 full level

B22F 9/20 (2006.01); **C22B 5/04** (2006.01); **C22B 34/32** (2006.01)

CPC (source: EP US)

B22F 9/20 (2013.01 - EP US); **C22B 5/04** (2013.01 - EP US); **C22B 34/32** (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

DE FR GB

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DE 3343989 A 19831206; DE 3476347 T 19841123; EP 84114148 A 19841123; US 1138587 A 19870205