

Title (en)

A PROCESS OF MAKING COBALT METAL POWDER

Publication

EP 0047076 B1 19850502 (EN)

Application

EP 81303653 A 19810811

Priority

CA 358741 A 19800821

Abstract (en)

[origin: EP0047076A1] Dense cobalt powder having coarse, relatively uniformly sized particles can be produced by reducing a cobalt sulphate solution with hydrogen under a partial hydrogen pressure of at least 1 megapascal and at a temperature of at least 180 DEG C. The sulphuric acid generated during the reduction must be neutralised by feeding an alkali metal hydroxide or ammonium hydroxide into the reaction mixture at a rate that does not substantially exceed the molar equivalent of the rate of sulphuric acid production.

IPC 1-7

C22B 23/04; **B22F 9/26**

IPC 8 full level

B22F 1/00 (2006.01); **B22F 9/18** (2006.01); **B22F 9/24** (2006.01); **B22F 9/26** (2006.01); **B24D 3/14** (2006.01); **C01G 51/00** (2006.01); **C22B 23/00** (2006.01); **C22B 23/06** (2006.01)

CPC (source: EP)

B22F 9/26 (2013.01); **C22B 23/0461** (2013.01)

Cited by

EP0770693A1; CN100352583C; CN107735199A; EP3321015A4; AU2002332423B2; CN110899719A; US9321656B2; US9416023B2; WO2014009208A1; WO2014009173A1; WO03010345A1; US6893482B2; US6626979B2

Designated contracting state (EPC)

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EP 0047076 A1 19820310; **EP 0047076 B1 19850502**; AU 542235 B2 19850214; AU 7421281 A 19820225; CA 1151881 A 19830816; DE 3170282 D1 19850605; FI 71771 B 19861031; FI 71771 C 19870209; FI 812559 L 19820222; JP H0351764 B2 19910807; JP S5754207 A 19820331; NO 161130 B 19890328; NO 161130 C 19890705; NO 812809 L 19820222; PH 18541 A 19850809; ZA 815530 B 19820825; ZW 19981 A1 19820106

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