

Title (en)

METHOD FOR PRODUCING A METAL POWDER AND METAL POWDER PRODUCED BY THIS METHOD

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES METALLPULVERS UND MIT DEM VERFAHREN HERGESTELLTES METALLPULVER

Title (fr)

PROCÉDÉ DE PRODUCTION D'UNE POUDRE MÉTALLIQUE ET POUDRE MÉTALLIQUE PRODUITE AU MOYEN DUDIT PROCÉDÉ

Publication

**EP 2242602 A1 20101027 (DE)**

Application

**EP 09707741 A 20090128**

Priority

- DE 2009000136 W 20090128
- DE 102008009133 A 20080206

Abstract (en)

[origin: WO2009097835A1] The invention relates to a method for producing metal powders and to metal powders thereby produced. The aim of the invention is to provide methods which allow metal powders to be produced at a low cost from metal oxides the properties of which allow various uses. The method according to the invention is characterized by subjecting a metal oxide powder in a first step to a heat treatment in a reducing hydrogen atmosphere, the metal oxide being reduced. The temperature is then increased in a second step of the heat treatment and this temperature is maintained over a period, thereby possibly reducing the specific surface of the metal powder obtained previously by reduction.

IPC 8 full level

**B22F 9/18** (2006.01); **B22F 1/148** (2022.01); **B22F 9/22** (2006.01)

CPC (source: EP US)

**B22F 1/148** (2022.01 - EP US); **B22F 9/22** (2013.01 - EP US); **B22F 2999/00** (2013.01 - EP)

C-Set (source: EP)

**B22F 2999/00** + **B22F 9/22** + **B22F 2201/013**

Citation (search report)

See references of WO 2009097835A1

Cited by

WO2020239536A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**WO 2009097835 A1 20090813**; DE 102008009133 A1 20090924; DE 102008009133 B4 20120412; EP 2242602 A1 20101027; EP 2242602 B1 20140326; EP 2242602 B8 20141231

DOCDB simple family (application)

**DE 2009000136 W 20090128**; DE 102008009133 A 20080206; EP 09707741 A 20090128