

Title (en)

Atmosphere for sintering, annealing or hardening comprising silane or borane

Title (de)

Silan oder Boran enthaltende Atmosphäre zum Sintern, Glühen oder Härten

Title (fr)

Atmosphère pour fritter, recuire ou durcir comprenant silane ou borane

Publication

**EP 2050526 A1 20090422 (EN)**

Application

**EP 07020457 A 20071018**

Priority

EP 07020457 A 20071018

Abstract (en)

The invention relates to a method for sintering or annealing of metal components in a furnace atmosphere comprising nitrogen, hydrogen, argon or any mixture of these gases, each with an addition of a gaseous hydride such as silane or borane.

IPC 8 full level

**B22F 3/10** (2006.01); **C21D 1/76** (2006.01); **C22F 1/02** (2006.01)

CPC (source: EP)

**B22F 3/1007** (2013.01); **C21D 1/76** (2013.01); **C22F 1/02** (2013.01); **B22F 2998/00** (2013.01); **B22F 2999/00** (2013.01)

C-Set (source: EP)

1. **B22F 2998/00** + **B22F 2201/013** + **B22F 2201/10** + **B22F 2201/02** + **B22F 2201/11**
2. **B22F 2999/00** + **B22F 3/1007** + **B22F 2201/40**

Citation (search report)

[X] US 5543127 A 19960806 - KARINTHI PIERRE [FR], et al

Cited by

EP3290134A1; WO2018041410A1; WO2018206269A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**EP 2050526 A1 20090422**

DOCDB simple family (application)

**EP 07020457 A 20071018**