

Title (en)  
METHOD FOR PRODUCING A SINTERED, IRON-BASED WORKPIECE

Title (de)  
VERFAHREN ZUM HERSTELLEN EINES GESINTERTEN WERKSTÜCKES AUF EISENBASIS

Title (fr)  
PROCÉDÉ DE FABRICATION D'UNE PIÈCE FRITTÉE À BASE DE FER

Publication  
**EP 2252420 B1 20110907 (DE)**

Application  
**EP 09718461 A 20090305**

Priority  
• AT 2009000089 W 20090305  
• AT 3642008 A 20080306

Abstract (en)  
[origin: WO2009108981A1] The invention relates to a method for producing a sintered, iron-based workpiece, wherein a formation is pressed from a sinter powder and sintered into a blank, before the blank is consolidated in the region of a surface layer. In order to enable the surface to be consolidated without a presser tool, it is proposed that the sintered blank be enriched with carbon and/or boron in the surface regions, which are to be consolidated, and resintered above the solidus temperature of the enriched surface layer.

IPC 8 full level  
**B22F 3/10** (2006.01); **B21H 5/00** (2006.01); **C22C 33/02** (2006.01)

CPC (source: EP)  
**B22F 3/24** (2013.01); **C22C 33/0264** (2013.01); **B22F 2998/10** (2013.01); **B22F 2999/00** (2013.01)

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

DOCDB simple family (publication)  
**WO 2009108981 A1 20090911**; AT 506444 A1 20090915; AT 506444 B1 20100115; AT E523275 T1 20110915; EP 2252420 A1 20101124; EP 2252420 B1 20110907

DOCDB simple family (application)  
**AT 2009000089 W 20090305**; AT 09718461 T 20090305; AT 3642008 A 20080306; EP 09718461 A 20090305