

Title (en)  
METHOD FOR MANUFACTURING SINTERED COMPACT, AND SINTERED COMPACT

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINES SINTERKÖRPERS UND SINTERKÖRPER

Title (fr)  
PROCÉDÉ DE FABRICATION D'UNE PIÈCE FRITTÉE, ET PIÈCE FRITTÉE

Publication  
**EP 3441161 B1 20240717 (EN)**

Application  
**EP 17779150 A 20170404**

Priority  
• JP 2016077069 A 20160407  
• JP 2017014145 W 20170404

Abstract (en)  
[origin: US2018236548A1] A sintered body manufacturing method includes: a preparation step of preparing a raw material powder containing an iron-based metal powder; a molding step of subjecting the raw material powder to uniaxial pressing using a die to produce a green compact having an overall average relative density of 93% or more; a machining step of machining the green compact to produce a machined compact; and a sintering step of sintering the machined compact to obtain a sintered body.

IPC 8 full level  
**B22F 5/08** (2006.01); **B22F 1/06** (2022.01); **B22F 1/10** (2022.01); **B22F 3/02** (2006.01); **B22F 3/03** (2006.01); **B22F 3/10** (2006.01); **B22F 3/24** (2006.01); **B22F 5/00** (2006.01); **B22F 5/06** (2006.01); **B22F 5/10** (2006.01); **C22C 33/02** (2006.01); **C22C 38/00** (2006.01); **B22F 9/08** (2006.01)

CPC (source: EP US)  
**B22F 1/06** (2022.01 - EP US); **B22F 1/10** (2022.01 - EP US); **B22F 3/10** (2013.01 - US); **B22F 5/008** (2013.01 - EP US); **B22F 5/06** (2013.01 - EP US); **B22F 5/08** (2013.01 - US); **B22F 5/085** (2013.01 - EP US); **B22F 5/10** (2013.01 - EP US); **C22C 33/02** (2013.01 - US); **C22C 33/0264** (2013.01 - EP US); **C22C 38/00** (2013.01 - EP US); **B22F 3/03** (2013.01 - EP US); **B22F 2003/026** (2013.01 - EP US); **B22F 2003/247** (2013.01 - EP US); **B22F 2009/0828** (2013.01 - EP US); **B22F 2998/10** (2013.01 - EP US); **B22F 2999/00** (2013.01 - EP US)

C-Set (source: EP US)

EP  
1. **B22F 2999/00 + B22F 2009/0824 + B22F 2201/30**  
2. **B22F 2999/00 + B22F 2009/0824 + B22F 2201/05**  
3. **B22F 2999/00 + B22F 2009/0824 + B22F 2201/01**  
4. **B22F 2998/10 + B22F 2009/0828 + B22F 1/10 + B22F 3/02 + B22F 3/10 + B22F 2003/247**  
US  
1. **B22F 2998/10 + B22F 2009/0828 + B22F 1/10 + B22F 3/02 + B22F 2003/247 + B22F 3/10**  
2. **B22F 2999/00 + B22F 2009/0824 + B22F 2201/30**  
3. **B22F 2999/00 + B22F 2009/0824 + B22F 2201/05**  
4. **B22F 2999/00 + B22F 2009/0824 + B22F 2201/01**  
5. **B22F 2998/10 + B22F 2009/0828 + B22F 1/10 + B22F 3/02 + B22F 3/10 + B22F 2003/247**

Citation (examination)  
• JP S55122804 A 19800920 - TOKYO SHIBAURA ELECTRIC CO  
• US 2014232034 A1 20140821 - KUSAWAKE KAZUSHI [JP], et al  
• EUROPEAN POWDER METALLURGY ASSOCIATION: "Introduction to Powder Metallurgy The Process and Its Production", 1 January 1992 (1992-01-01), XP055330191, Retrieved from the Internet <URL:http://www.epma.com/247-introduction-to-powder-metallurgy/file> [retrieved on 20161219]

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DOCDB simple family (publication)  
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