

Title (en)
DYNAMIC BONDING OF POWDER METALLURGY MATERIALS

Title (de)
DYNAMISCHE VERBINDUNG VON PULVERMETALLURGIEMATERIALIEN

Title (fr)
LIAISON DYNAMIQUE DES MATÉRIAUX DE LA MÉTALLURGIE DES POUDRES

Publication
EP 3187281 A1 20170705 (EN)

Application
EP 16206050 A 20161222

Priority
US 201514982554 A 20151229

Abstract (en)
A dynamic compaction process comprising providing (200) a container (20;118) having a cylinder shape; filling said container (20;118) with a first powder material (16;110;114); and dynamically compacting (210) said first powder material (16; 110; 114). Aerospace component manufactured by dynamic compaction.

IPC 8 full level
B22F 3/08 (2006.01); **B22F 3/087** (2006.01); **B22F 5/04** (2006.01); **F01D 5/34** (2006.01); **B22F 5/10** (2006.01)

CPC (source: EP)
B22F 3/08 (2013.01); **B22F 3/087** (2013.01); **B22F 5/009** (2013.01); **F01D 5/34** (2013.01); **F01D 25/243** (2013.01); **F05D 2230/23** (2013.01); **F05D 2300/174** (2013.01); **F05D 2300/177** (2013.01)

Citation (search report)

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- [X] WO 03061868 A1 20030731 - CK MAN AB [SE], et al
- [X] US 2014093384 A1 20140403 - MIRONETS SERGEY [US], et al
- [A] "EXPLOSIVE WELDING, FORMING AND COMPACTION", 27 April 2012, APPLIED SCIENCE PUBLISHERS, ISBN: 978-94-011-9751-9, article R PRÜMMER: "Chapter 10 - Powder Compaction", pages: 369 - 395, XP055366027, DOI: 10.1007/978-94-011-9751-9

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Designated extension state (EPC)
BA ME

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