

Title (en)  
Powder press

Title (de)  
Pulverpresse

Title (fr)  
Presse à poudre

Publication  
**EP 1566231 B1 20100908 (DE)**

Application  
**EP 05001884 A 20050129**

Priority  
DE 102004008322 A 20040220

Abstract (en)  
[origin: EP1566231A2] A powder press receives metal powder which is placed into forms which are then pressed and sintered. The powder press has a matrix plate (10) with two matrices (12, 14) each with an array of matrix drill holes. The press further has two overhead plungers acting on the matrices, a hydraulic cylinder (20) for the upper plunger (16) and two lower plungers acting on the matrices (12, 14). The assembly further has position sensors for the upper and lower plungers, force sensors and a hydraulic regulator.

IPC 8 full level  
**B22F 3/03** (2006.01); **B22F 3/02** (2006.01); **B30B 11/00** (2006.01); **B30B 11/02** (2006.01); **B30B 15/00** (2006.01); **B30B 15/06** (2006.01)

CPC (source: EP US)  
**B22F 3/03** (2013.01 - EP US); **B30B 11/005** (2013.01 - EP US); **B30B 11/02** (2013.01 - EP US); **B30B 15/0094** (2013.01 - EP US); **B30B 15/067** (2013.01 - EP US); **B22F 2003/033** (2013.01 - EP US); **B22F 2999/00** (2013.01 - EP US)

Cited by  
DE102015101586A1; DE102015101586B4; WO2010081650A1; EP3053736A1

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DOCDB simple family (publication)  
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