

Title (en)  
HIGH PRESSURE SINTERING FURNACE

Publication  
**EP 0255603 A3 19890503 (DE)**

Application  
**EP 87109239 A 19870626**

Priority  
DE 3625788 A 19860730

Abstract (en)  
[origin: US4830342A] A high pressure sintering furnace is disclosed for the production of compacts from metal and/or nonmetal powders. By mounting a cooling device between the wall of the high pressure shell and the thermal insulation, relatively thin walls can be used for the high pressure shell. Shorter cooling times are also obtained.

IPC 1-7  
**F27B 5/04; F27B 5/08**

IPC 8 full level  
**B22F 3/14** (2006.01); **B22F 3/15** (2006.01); **C04B 35/645** (2006.01); **F27B 5/04** (2006.01); **F27B 5/08** (2006.01); **F27B 17/00** (2006.01); **F27D 9/00** (2006.01)

CPC (source: EP US)  
**B22F 3/15** (2013.01 - EP US); **B30B 11/002** (2013.01 - EP US); **F27B 5/04** (2013.01 - EP US); **F27B 5/08** (2013.01 - EP US); **F27D 9/00** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0255603 A2 19880210; EP 0255603 A3 19890503**; DE 3625788 A1 19880204; HU T49511 A 19891030; JP S6338885 A 19880219; RO 100167 B1 19920622; US 4830342 A 19890516

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**EP 87109239 A 19870626**; DE 3625788 A 19860730; HU 350687 A 19870729; JP 18245787 A 19870723; RO 12907087 A 19870714; US 7546787 A 19870720