

Title (en)

METHOD OF MANUFACTURING COMPACTS FROM POWDER

Publication

EP 0039014 B1 19840919 (DE)

Application

EP 81102953 A 19810416

Priority

SE 8003138 A 19800425

Abstract (en)

[origin: US4389362A] A method for manufacturing an article to an intended near final shape and size with powder as the starting material. The powder is placed in a first capsule having the shape of the desired article and a size which allows for a suitable decrease in volume when pressing the powder into a solid body. This first capsule is placed in a second larger capsule and is surrounded on all its sides by a medium which is viscous at the compression temperature. The second outer capsule with its contents is heated, inserted into a press chamber, and surrounded by a readily deformable heat-insulating material such as talcum powder. A piston is inserted into the press chamber and acts to generate a pressure which compresses the material in the first capsule into a homogeneous, solid body.

IPC 1-7

B22F 3/14

IPC 8 full level

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CPC (source: EP US)

B22F 3/1241 (2013.01 - EP US); **B22F 3/15** (2013.01 - EP US)

Citation (examination)

EP 0014975 A1 19800903 - ASEA AB [SE]

Cited by

EP0094164A1; EP0105653A1; FR2541151A1; EP0119939A1; FR2542228A1; WO9112911A1; WO9413419A1

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