

Title (en)

PROCESS FOR MANUFACTURING PREFORMS BY COLD ISOSTATIC PRESSING

Publication

EP 0133515 B1 19861015 (DE)

Application

EP 84108782 A 19840725

Priority

DE 3328954 A 19830811

Abstract (en)

[origin: US4582682A] A thin-walled elastic envelope or mold element is arranged within a divisible outer supporting mold of porous material and a vacuum is applied to the outer supporting mold. Thereupon powdered metal or ceramic is introduced into the elastic mold element and the mold element is closed and pressurized to form a preform. The preform is then subjected to cold isostatic pressurization which is applied to the outer surface of the elastic mold element. Prior to the cold isostatic pressurization, the vacuum applied to the outer supporting mold is terminated and a vacuum is produced within the elastic mold element.

IPC 1-7

B22F 3/04

IPC 8 full level

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CPC (source: EP US)

B22F 3/04 (2013.01 - EP US); **B30B 11/001** (2013.01 - EP US); **Y10S 264/78** (2013.01 - EP US); **Y10S 425/044** (2013.01 - EP US)

Cited by

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