

Title (en)

Low porosity powder metallurgy produced components

Title (de)

Pulvermetallurgische Herstellung eines Formkörpers mit niedriger Porosität

Title (fr)

Composant à basse porosité formée par métallurgie de poudres

Publication

EP 1649954 A2 20060426 (EN)

Application

EP 05255133 A 20050819

Priority

US 96916004 A 20041020

Abstract (en)

Components produced by powder metallurgy techniques are described herein. Embodiments of these components have little or no porosity therein after processing. Embodiments of these components are created by creating a preform from a powder; creating a component from the preform; heat treating the component to create a predetermined microstructure therein; and then hot isostatic pressing the heat treated component to reduce any porosity therein. The components can then be machined to their final dimensions, if necessary.

IPC 8 full level

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CPC (source: EP KR US)

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Cited by

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