

Title (en)

METHOD OF FORMING POWDER METAL COMPONENTS HAVING SURFACE DENSIFICATION

Title (de)

VERFAHREN ZUR HERSTELLUNG VON PULVERMETALLKOMPONENTEN MIT OBERFLÄCHENVERDICHTUNG

Title (fr)

MÉTHODE D'ÉLABORATION DE COMPOSANTS MÉTALLIQUES EN POUDRE PRÉSENTANT UNE SURFACE DENSIFIÉE

Publication

EP 1850989 A4 20110629 (EN)

Application

EP 05823969 A 20051223

Priority

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- US 64113605 P 20050105

Abstract (en)

[origin: WO2006072162A1] A method for producing a powder metal article having a three dimensional shape and having at least one densified surface comprising: a) providing a blend of powdered metals; b) compacting said blend to form a pre-form having a general shape of said article; c) sintering said pre-form; d) densifying at least one cylindrical surface region of said pre-form; and, e) forming said pre-form to a final density and into the three dimensional shape of said article.

IPC 8 full level

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CPC (source: EP US)

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C-Set (source: EP US)

1. **B22F 2998/00 + B22F 3/03 + B22F 5/08**
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Citation (search report)

- [XYI] EP 0826448 A1 19980304 - BORG WARNER AUTOMOTIVE [US]
- [XI] US 6592809 B1 20030715 - ANDERSON GARY L [US], et al
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- [Y] US 5540883 A 19960730 - JONES PETER [CA], et al
- See references of WO 2006072162A1

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