

Title (en)  
METHOD OF PRODUCING A MONOLITHIC ALLOY COMPONENT PREFORM

Publication  
**EP 0072175 B1 19860108 (EN)**

Application  
**EP 82304080 A 19820802**

Priority  
NO 812680 A 19810807

Abstract (en)  
[origin: EP0072175A1] Two different powdered alloys are poured into separate regions of a can (12) in a hot isostatic pressing enclosure (13), a screen-like basket (14) separating the two regions and the maintenance of a difference in level (h) during filling allows powder particles of one alloy to pass into the basket (14) and mix with the powder particles of the other alloy to a controlled depth and concentration. The controlled mixing of the powders provides an interface zone which, after consolidation and treating of the preform to a final near net shape, has properties lying between those of the two alloys, and there is no sharp bonding line. The basket (14) is removed by decomposition or melting and extraction or evaporation or incorporation in one or both of the powdered alloys.

IPC 1-7  
**B22F 7/06**

IPC 8 full level  
**B22F 7/06** (2006.01)

CPC (source: EP)  
**B22F 7/06** (2013.01)

Cited by  
US5623723A; GB2233000A; CN106163698A; EP0202735A3; EP0983813A3; EP1724438A3; EP0278682A3; EP2327493A1; CN1091014C; US5815790A; CN1068266C; US5686119A; US5762843A; US5789686A; US5792403A; EP2844410A4; US6183687B1; US6908688B1; WO9014185A1; WO9620058A1; WO9519861A1; US9475118B2; WO2015128597A1; WO2015169746A1

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