

Title (en)

ISOTHERMAL PROCESS FOR FORMING POROUS METAL-SECOND PHASE COMPOSITES AND POROUS PRODUCT THEREOF

Publication

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Application

EP 88900272 A 19871019

Priority

US 92701486 A 19861105

Abstract (en)

[origin: WO8803573A2] A method for the in-situ precipitation of second phase materials, such as ceramic or intermetallic particles, in a substantial volume fraction of solvent metal matrix. The invention involves the propagating reaction of the second phase-forming constituents in a solvent metal medium to provide a porous composite of finely-dispersed second phase particles in the metal matrix. Exemplary materials include titanium carbide or titanium diboride in an aluminum matrix.

IPC 1-7

C22C 1/05

IPC 8 full level

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IPC 8 main group level

C22C (2006.01)

CPC (source: EP KR)

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