Author's Accepted Manuscript

A novel high-strength Al-based nanocomposite reinforced with Ti-based metallic glass nanoparticles produced by powder metallurgy

W.W. Zhang, Y. Hu, Z. Wang, C. Yang, G.Q. Zhang, K.G. Prashanth, C. Suryanarayana



PII:S0921-5093(18)31016-5DOI:https://doi.org/10.1016/j.msea.2018.07.082Reference:MSA36746

To appear in: Materials Science & Engineering A

Received date: 2 February 2018 Revised date: 21 July 2018 Accepted date: 23 July 2018

Cite this article as: W.W. Zhang, Y. Hu, Z. Wang, C. Yang, G.Q. Zhang, K.G. Prashanth and C. Suryanarayana, A novel high-strength Al-based nanocomposite reinforced with Ti-based metallic glass nanoparticles produced by powder m et a 11 u r g y, *Materials Science & Engineering A*, https://doi.org/10.1016/j.msea.2018.07.082

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

A novel high-strength Al-based nanocomposite reinforced with Ti-based metallic glass nanoparticles produced by powder metallurgy

W.W. Zhang^{a,b}, Y. Hu^a, Z. Wang^{a,b}*, C. Yang^{a,b}, G.Q. Zhang^a, K.G. Prashanth^{c,d}, C. Suryanarayana^e

^aGuangdong Key Laboratory for Processing and Forming of Advanced Metallic Materials, School of Mechanical and Automotive Engineering, South China University of Technology, Guangzhou 510640, China

^bNational Engineering Research Center of Near-net-shape Forming for Metallic Materials, South China University of Technology, Guangzhou 510640, China

^cDepartment of Manufacturing and Civil Engineering, Norwegian University of Science and Technology, Teknologivegen 22, 2815 Gjøvik, Norway

^dErich Schmid Institute of Martials Science, Austrian Academy of Sciences, A-8700 Leoben, Austria

^eDepartment of Mechanical and Aerospace Engineering, University of Central Florida, Orlando, FL 32816-2450, USA

^{*}Corresponding author. wangzhi@scut.edu.cn

Download English Version:

https://daneshyari.com/en/article/7971542

Download Persian Version:

https://daneshyari.com/article/7971542

Daneshyari.com