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Author: Yoshihiko Hangai Hiroto Kamada Takao Utsunomiya Soichiro Kitahara Osamu Kuwazuru Nobuhiro Yoshikawa

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Aluminum alloy foam core sandwich panels fabricated from die casting aluminum alloy by friction stir welding route

Yoshihiko Hangai^{a,*}, Hiroto Kamada^a, Takao Utsunomiya^b, Soichiro Kitahara^c, Osamu Kuwazuru^d and Nobuhiro Yoshikawa^e

E-mail: hanhan@gunma-u.ac.jp

Tel: +81-277-30-1554

^a Graduate School of Engineering, Gunma University, Kiryu 376-8515, Japan

^b SIT Research Laboratories, Shibaura Institute of Technology, Saitama 337-8570, Japan

^c Hokudai Co., Ltd, Yuufutsu-gun, Hokkaido 059-1434, Japan

^d Graduate School of Engineering, University of Fukui, Fukui 910-8507, Japan

^e Institute of Industrial Science, The University of Tokyo, Tokyo 153-8505, Japan

^{*} Corresponding author.

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