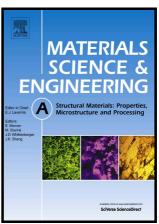
Author's Accepted Manuscript

Effect of alloying elements on grain boundary sliding in magnesium binary alloys; Experimental and numerical studies

Hidetoshi Somekawa, Tomohito Tsuru



www.elsevier.com/locate/msea

PII: S0921-5093(17)31266-2

DOI: http://dx.doi.org/10.1016/j.msea.2017.09.095

Reference: MSA35562

To appear in: Materials Science & Engineering A

Received date: 16 June 2017

Revised date: 10 September 2017 Accepted date: 20 September 2017

Cite this article as: Hidetoshi Somekawa and Tomohito Tsuru, Effect of alloying elements on grain boundary sliding in magnesium binary alloys; Experimental and numerical studies, *Materials Science & Engineering A*, http://dx.doi.org/10.1016/j.msea.2017.09.095

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

Effect of alloying elements on grain boundary sliding in magnesium binary alloys; **Experimental and numerical studies**

Hidetoshi SOMEKAWA $^{1),3)*$ and Tomohito TSURU $^{2),3)*$

- 1) Research Center for Strategic Materials, National Institute for Materials Science, 1-2-1 Sengen, Tsukuba, Ibaraki, 305-0047, Japan
- ²⁾ Nuclear Science and Engineering Center, Japan Atomic Energy Agency, 2-4 Shirakata, Tokai-mura, Ibaraki, 319-1195, Japan
- ³⁾ Elements Strategy Initiative for Structural Materials, Kyoto University, Yoshida Honmachi, Sakyo-ku, Kyoto, 606-8501, Japan anusciile

*Corresponding authors

Hidetoshi Somekawa

E-mail: SOMEKAWA.Hidetoshi@nims.go.jp

Tel: +81-29-859-2473/Fax: +81-29-859-2601

Tomohito Tsuru

E-mail: tsuru.tomohito@jaea.go.jp

Tel: +81-29-282-5198/Fax: +81-29-282-6716 ۷-67.

Download English Version:

https://daneshyari.com/en/article/5455121

Download Persian Version:

https://daneshyari.com/article/5455121

<u>Daneshyari.com</u>