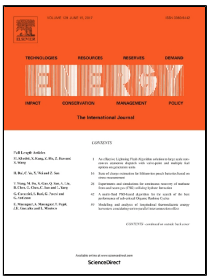
# Accepted Manuscript



Efficient heat allocation in the two-step ethanol steam reforming and solid oxide fuel cell integrated process

Phanicha Tippawan, Karittha Im-orb, Amornchai Arpornwichanop

| | |
|---|---|
| PII: | S0360-5442(17)30903-9 |
| DOI: | 10.1016/j.energy.2017.05.145 |
| Reference: | EGY 10953 |
| To appear in: | *Energy* |
| Received Date: | 31 December 2016 |
| Revised Date: | 22 April 2017 |
| Accepted Date: | 22 May 2017 |

Please cite this article as: Phanicha Tippawan, Karittha Im-orb, Amornchai Arpornwichanop, Efficient heat allocation in the two-step ethanol steam reforming and solid oxide fuel cell integrated process, *Energy* (2017), doi: 10.1016/j.energy.2017.05.145

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 proof before it is published in its final 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

**Submitted to Energy**

**Type of manuscript: Full-length article (revised manuscript)**

# Efficient heat allocation in the two-step ethanol steam reforming and solid oxide fuel cell integrated process

Phanicha Tippawan, Karittha Im-orb and Amornchai Arpornwichanop*

Computational Process Engineering Research Unit, Department of Chemical Engineering, Faculty of Engineering, Chulalongkorn University, Bangkok 10330, Thailand

* Corresponding author. Tel.: +66-2-2186878; Fax.: +66-2-2186877

Email: Amornchai.A@chula.ac.th. (A. Arpornwichanop)

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/5476579

Download Persian Version:

https://daneshyari.com/article/5476579

Daneshyari.com