Accepted Manuscript

Modeling of a square channel monolith reactor for methane steam reforming

Piyanut Inbamrung, Thana Sornchamni, Chaiwat Prapainainar, Sabaithip Tungkamani, Phavanee Narataruksa, Goran N. Jovanovic

PII: \$0360-5442(18)30548-6

DOI: 10.1016/j.energy.2018.03.139

Reference: EGY 12597

To appear in: Energy

Received Date: 29 November 2017

Revised Date: 20 March 2018 Accepted Date: 24 March 2018

Please cite this article as: Inbamrung P, Sornchamni T, Prapainainar C, Tungkamani S, Narataruksa P, Jovanovic GN, Modeling of a square channel monolith reactor for methane steam reforming, *Energy* (2018), doi: 10.1016/j.energy.2018.03.139.

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

- Modeling of a Square Channel Monolith Reactor for Methane Steam
- 2 Reforming

3

- 4 Piyanut Inbamrung ^{a, b}, Thana Sornchamni ^c, Chaiwat Prapainainar ^{a, b},
- 5 Sabaithip Tungkamani ^{b, d}, Phavanee Narataruksa ^{a, b, *}, Goran N. Jovanovic ^e

6

- 7 ^a Department of Chemical Engineering, Faculty of Engineering, King Mongkut's University of
- 8 Technology North Bangkok, Bangsue, Bangkok 10800, Thailand
- 9 ^bResearch and Development Centre for Chemical Engineering Unit Operation and Catalyst Design,
- 10 King Mongkut's University of Technology North Bangkok, Bangsue, Bangkok 10800, Thailand
- ^c Analytical & Petrochemical Research Department, PTT Research and Technology Institute,
- Wangnoi, Ayutthaya 13170, Thailand
- d Department of Industrial Chemistry, Faculty of Applied Science, King Mongkut's University of
- 14 Technology North Bangkok, Bangsue, Bangkok 10800, Thailand
- 15 ^e School of Chemical, Biological and Environmental Engineering, Oregon State University, Corvallis,
- 16 OR 97331, USA

17

- 18 Corresponding Author:
- 19 Assoc. Prof. Dr. Phavanee Narataruksa
- 20 Department of Chemical Engineering, Faculty of Engineering,
- 21 King Mongkut's University of Technology North Bangkok,
- 22 1518 Pracharat 1 Road, Wongsawang, Bangsue, Bangkok 10800, Thailand
- 23 Tel. +668-9002-7027
- E-mail: phavanee.n@eng.kmutnb.ac.th

Download English Version:

https://daneshyari.com/en/article/8071719

Download Persian Version:

https://daneshyari.com/article/8071719

<u>Daneshyari.com</u>