Accepted Manuscript

Reducing the energy consumption of membrane-cryogenic hybrid CO₂ capture by process optimization

Chunfeng Song, Qingling Liu, Na Ji, Shuai Deng, Jun Zhao, Yang Li, Yutaka Kitamura



PII: S0360-5442(17)30228-1

DOI: 10.1016/j.energy.2017.02.054

Reference: EGY 10347

To appear in: Energy

Received Date: 17 August 2016
Revised Date: 8 February 2017
Accepted Date: 10 February 2017

Please cite this article as: Song C, Liu Q, Ji N, Deng S, Zhao J, Li Y, Kitamura Y, Reducing the energy consumption of membrane-cryogenic hybrid CO₂ capture by process optimization, *Energy* (2017), doi: 10.1016/j.energy.2017.02.054.

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

- 1 Reducing the energy consumption of membrane-cryogenic
- 2 hybrid CO₂ capture by process optimization

3

- 4 Chunfeng Song a, b, *, Qingling Liu a, *, Na Ji a, Shuai Deng b, Jun Zhao b, Yang Li c,
- 5 Yutaka Kitamura ^d

6

- 7 a Tianjin Key Laboratory of Indoor Air Environmental Quality Control, School of
- 8 Environmental Science and Technology, Tianjin University, 92 Weijin Road, Nankai
- 9 District, Tianjin, P. R. China
- 10 ^b Key Laboratory of Efficient Utilization of Low and Medium Grade Energy (Tianjin
- 11 University), Ministry of Education, Tianjin
- 12 ^c Tianjin Institute of Industrial Biotechnology, Chinese Academy of Science, Tianjin,
- 13 300308, China
- ¹⁴ Graduate School of Life and Environmental Sciences, University of Tsukuba, 1-1-1,
- 15 Tennodai, Tsukuba, Ibaraki 305-8572, Japan

16

- * Corresponding author. Tel.: +86-022-2740-1255
- 18 E-mail address: chunfeng.song@tju.edu.cn, liuql@tju.edu.cn

19

Download English Version:

https://daneshyari.com/en/article/5475941

Download Persian Version:

https://daneshyari.com/article/5475941

Daneshyari.com