Accepted Manuscript

Title: Thermodynamic modeling of a nuclear energy based integrated system for hydrogen production and liquefaction

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PII: S0098-1354(16)30110-7

DOI: http://dx.doi.org/doi:10.1016/j.compchemeng.2016.04.015

Reference: CACE 5433

To appear in: Computers and Chemical Engineering

Received date: 2-2-2016 Revised date: 7-4-2016 Accepted date: 8-4-2016

Please cite this article as: Ozcan, Hasan., & Dince, Ibrahim., Thermodynamic modeling of a nuclear energy based integrated system for hydrogen production and liquefaction. *Computers and Chemical Engineering* http://dx.doi.org/10.1016/j.compchemeng.2016.04.015

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ACCEPTED MANUSCRIPT

THERMODYNAMIC MODELING OF A NUCLEAR ENERGY BASED INTEGRATED SYSTEM FOR HYDROGEN PRODUCTION AND LIQUEFACTION

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