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PATENT ASSIGNMENT COVER SHEET

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CONVEYING PARTY DATA

Name	Execution Date
UNIVERSITY OF ARIZONA	09/04/2019

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16453575

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Sign and submit the executed document to the appropriate funding agency (e.g. upload in iEdison). Invention Title: Integrated Reformer, Reactor, and Control System for Efficient H2 Production From Hydrocarbon Fuels Inventor(s): Peiwen Li, Xinhai Xu, Shuyang Zhang, Xiaoxin Wang U.S. Filing/Issue Date: 06/26/2019 Patent or Application Serial No.: 16/453, 575 Grant/Contract Number(s): DE-FG36-06G016029, DE-AC05-000R22725, N00014-09-1-0695 Foreign Applications filed/intended in (countries): The invention identified above is a Subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights clause at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the above identified grant or contract award from the United States Government. This document is confirmatory of: The nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the invention described in any patent application and in any and all divisions, continuations, and continuations in part, and in any and all patents and re-issues granted thereon throughout the world; and 2. All other rights acquired by the Government by reason of the above identified grant/contract award and the laws and regulations that are applicable to the award. The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application. Signed this Sep 4, 2019 By Douglas M. Hockstad Douglas M Hockstand (Institutional Business Official) Title Asst. VP, Tech Launch Arizona (Signature) For UNIVERSITY OF ARIZONA (Grantee/Contractor Organization)

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PATENT REEL: 055953 FRAME: 0936