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PATENT ASSIGNMENT COVER SHEET

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CONVEYING PARTY DATA

Name	Execution Date
FLORIDA INTERNATIONAL UNIVERSITY	04/28/2020

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16422461

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Sign and submit the executed document to the appropriate funding agency (e.g. upload in iEdison). Invention Title: Method and Apparatuses for Data Integrity and Security for Communications in Smart Power Systems Inventor(s): Mohammad Mahmoudian Esfahani, Tarek Youssef, Osama Mohammed U.S. Filing/Issue Date: 05/24/2019 Patent or Application Serial No.: 16/422, 461 Grant/Contract Number(s): DE-OE0000779 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: 1. 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 28th day of April By Pedro Hernandez (Institutional Business Official) Title Director, Technology Management and Commercialization For FLORIDA INTERNATIONAL UNIVERSITY (Grantee/Contractor Organization) At 11200 SW 8th Street, MARC 430 Office of the Vice President for Research Miami, FL 33199

> PATENT REEL: 052820 FRAME: 0011