### 502901515 07/22/2014

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2948112

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE

#### **CONVEYING PARTY DATA**

Name	Execution Date
CLEMSON UNIVERSITY	12/10/2013

#### **RECEIVING PARTY DATA**

Name:	National Science Foundation
Street Address:	4201 Wilson Blvd
Internal Address:	Room 1265
City:	Arlington
State/Country:	VIRGINIA
Postal Code:	22230

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	13859242

#### **CORRESPONDENCE DATA**

**Fax Number:** (703)292-9041

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email: nsfpatents@nsf.gov

Correspondent Name: NATIONAL SCIENCE FOUNDATION

Address Line 1: 4201 WILSON BLVD

Address Line 2: ROOM 1265

Address Line 4: ARLINGTON, VIRGINIA 22230

NAME OF SUBMITTER:	DANA THIBODEAU
SIGNATURE:	/DT/
DATE SIGNED:	07/22/2014

**Total Attachments: 1** source=193#page1.tif

PATENT 502901515 REEL: 033379 FRAME: 0210

# License to the United States Government

Sign and submit the executed document to the appropriate funding agency (e.g. upload in lEdison).
Invention Title: Method and System for Dynamic Stochastic Optimal Power Flow Control for Power
Systems with Intermittent Renewable Energy Generation
inventor(s): Ganash Kumar Venayagamoorthy, Jiaqi Liang, Ronald G Harley
U.S. Filling/Issue Date: 4/4/5
U.S. Filing/lesue Date: <u>ルイタール</u> Patent or Application Serial No.: <u>18 1897242</u>
Grant/Contract Number(s): EFRI1238097, ECCS1231820, ECCE0802047
Foreign Applications liled/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 State Government. This document is confirmatory of:
<ol> <li>The nonexclusive, nontransferable, irrevocable, pald-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</li> <li>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.</li> </ol>
The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.
Signed this
By Washington Durbas Office Of
R. Larry Dooley, PhD
Tille terim VP for Research
FOY CLEMSON UNIVERSITY
(Grantee/Contractor Organization)
At 91 Technology Drive #222 Anderson, SC 29625 US
(Business Address)

PATENT REEL: 033379 FRAME: 0211

RECORDED: 07/22/2014