504855477 04/05/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4902216

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

CONVEYING PARTY DATA

Name	Execution Date
IOWA STATE UNIVERSITY	04/06/2017

RECEIVING PARTY DATA

Name:	UNITED STATES DEPARTMENT OF ENERGY
Street Address:	1000 INDEPENDENCE AVE. S.W.
City:	WASHINGTON
State/Country:	D.C.
Postal Code:	20585

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15330895

CORRESPONDENCE DATA

Fax Number: (630)252-2779

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.

Phone: (630) 252-2137

Email: Confirmatory.License@science.doe.gov

Correspondent Name: TIMOTHY L HARNEY **Address Line 1:** 9800 S. CASS AVE

Address Line 2: IPLD

Address Line 4: ARGONNE, ILLINOIS 60439

ATTORNEY DOCKET NUMBER:	15/330895 CAR
NAME OF SUBMITTER:	CYNTHIA RIDGE
SIGNATURE:	/cynthia ridge/.
DATE SIGNED:	04/05/2018

Total Attachments: 1

source=15-330895 License#page1.tif

PATENT 504855477 REEL: 045848 FRAME: 0044

(Business Address)

RECORDED: 04/05/2018

License to the United States Government

Sign and submit the executed document to the appropriate funding agency (e.g. upload in iEdison).
Invention Title: Method For Producing La/Ce/MM/Y Base Alloys, Resulting Alloys, and Battery
<u>Electrodes</u>
Inventor(s): Karl A Gschneidner
U.S. Filing/Issue Date: 11/10/2016
Patent or Application Serial No.: 15/330,895
Grant/Contract Number(s): DE-AC02-07CH11358
Foreign Applications filed/intended in (countries): None
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 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 this6thday ofApril, 20 <u>17</u> .
By Lisa Lorenzen, Ph.D. (Institutional Business Official) Lisa Lorenzen, Ph.D. (Isa L
Title Executive Director
For IOWA STATE UNIVERSITY (Grantee/Contractor Organization)
At Iowa State University Research Foundation, Inc. 1805 Collaboration Place, Suite 2100
7 77 50010

PATENT REEL: 045848 FRAME: 0045