### 507875012 04/26/2023

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7922142

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

#### **CONVEYING PARTY DATA**

Name	Execution Date
UNIVERSITY OF PENNSYLVANIA	01/23/2023

#### **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:	16624045

#### **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: LEMONT, ILLINOIS 60439

ATTORNEY DOCKET NUMBER:	16-624045 CAR
NAME OF SUBMITTER:	CYNTHIA RIDGE
SIGNATURE:	/S/CYNTHIA RIDGE
DATE SIGNED:	04/26/2023

**Total Attachments: 1** 

source=16-624045 License#page1.tif

PATENT 507875012 REEL: 063471 FRAME: 0441

Patent Docket Number: 17-8149-02 Invention Report Number: 6463801-17-0016

Sign and submit the executed document to the appropriate funding agency (e.g. upload in iEdison).

# **License to the United States Government**

Generated on 01/19/2023 with iEdison

Title of Invention: COPPER ALLOYS FOR INTERCONNECTORS AND METHODS FOR MAKING THE SAME

Inventor(s): Gyuseok Kim, Daniel Gianola, Daniel S. GIANOLA, Gyuseok KIM

U.S. Filing/Issue Date: 12/18/2019

Patent or Application Serial No.: 16/624,045

Grant/Contract Number(s): DE-SC0008135

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.

Signe	ed this 23rd day of January , 20 23 .
Ву	Jennifer Langenberger (Institutional Business Official)  (Signature)
Title	Chief Operations Officer and Executive Director Intellectual Property
For	UNIVERSITY OF PENNSYLVANIA
	(Grantee/Contractor Organization)
At	3600 Civic Center Boulevard
	Floor 9
	(Business Address)
	Philadelphia PA 19104
	(City/State/Zincode)

PATENT REEL: 063471 FRAME: 0442

RECORDED: 04/26/2023