

| |
|--------------------------------------|
| PATENT ASSIGNMENT COVER SHEET |
|--------------------------------------|

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7291564

| | |
|---|--|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| UNIVERSITY OF TOLEDO | 01/03/2022 |
| 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: | 11899797 |
| CORRESPONDENCE DATA | |
| Fax Number: | (630)252-2779 |
| <i>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.</i> | |
| 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: | 11-899797 CAR |
| NAME OF SUBMITTER: | CYNTHIA RIDGE |
| SIGNATURE: | /S/CYNTHIA RIDGE |
| DATE SIGNED: | 04/21/2022 |
| Total Attachments: 1 | |
| source=11-899797 License#page1.tif | |

License to the United States Government

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

Invention Title: Hybrid window layer for photovoltaic cells

Inventor(s): Xunming Deng, Wenhui Du, and Xianbo Liao

U.S. Filing/Issue Date: 10/04/2011

Patent or Application Serial No.: 8,030,120

Grant/Contract Number(s): NDJ-1-30630-08

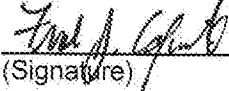
Foreign Applications filed/intended in (countries): _____

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 3rd day of January, 2022

By Frank J. Calzonetti 
(Institutional Business Official) (Signature)

Title Vice President for Research

For The University of Toledo
(Grantee/Contractor Organization)

At 2801 West Bancroft Street, Toledo, OH 43606-3390
(Business Address)