PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT8106411

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

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------------------|----------------|
| UNIVERSITY OF PENNSYLVANIA | 02/03/2021 |

RECEIVING PARTY DATA

| Name: | National Institutes of Health (NIH), U.S. Dept. of Health and Human Services (DHHS), U.S. Government |
|-------------------|--|
| Street Address: | NIH Division of Extramural Inventions and Technology Resources (DEITR) |
| Internal Address: | 6705 Rockledge Drive, Suite 310, MSC 7980 |
| City: | Bethesda |
| State/Country: | MARYLAND |
| Postal Code: | 20892-7980 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16389423 |

CORRESPONDENCE DATA

Fax Number: (301)480-0272

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: edison@nih.gov
Correspondent Name: DIRECTOR, DEITR

Address Line 1: NIH, 6705 ROCKLEDGE DRIVE, SUITE 310

Address Line 2: MSC 7980

Address Line 4: BETHESDA, MARYLAND 20892-7980

NAME OF SUBMITTER:DIRECTOR, DEITRSIGNATURE:/DIRECTOR, DEITR/DATE SIGNED:08/10/2023

Total Attachments: 1 source=16389423#page1.tif

PATENT 508059257 REEL: 064548 FRAME: 0678

License to the United States Government

At 3600 Civic Center Boulevard Floor 9 Philadelphia, PA 19104

(Business Address)

RECORDED: 08/10/2023

| Sign and submit the executed document to the appropriate funding agency (e.g. upload in iEdison). |
|---|
| Chimeric autoantibody receptor (CAAR) T cells: a novel strategy for personalized therapy, diagnosis, and research Invention Title: of autoimmune diseases |
| Aimee Payne, Michael Milone, Christoph T Ellebrecht, Vijay Inventor(s): Bhoj |
| U.S. Filing/Issue Date: 04/19/2019 |
| Patent or Application Serial No.: 16/389, 423 |
| Grant/Contract Number(s): R01 AR057001 |
| 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: |
| 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 this 3rd day of February , 2021 |
| By Jennifer Langenberger Jennifer Langenberger (Signature) |
| Chief Operations Officer Title |
| For UNIVERSITY OF PENNSYLVANIA (Grantee/Contractor Organization) |

PATENT REEL: 064548 FRAME: 0679