DOE F 2000.4 (08/2021) All other versions are obsolete

## U.S. DEPARTMENT OF ENERGY PATENTS RECORD OF INVENTION

OMB Control No. 1910-0800 Exp. Date:

| 1   | Record of Invention is an import                 | •                                       | * *   | LIS         | Case No.:                      |  |  |  |  |  |
|---|--|---|---|-------------|--------------------------------|--|--|--|--|--|
| early and complete preparation will save important time and inconvenience in the future. The Instructions on the back should be read carefully before filling |  |   |   |             |                                |  |  |  |  |  |
| in the data.  |  |   |   |             |                                |  |  |  |  |  |
| A.Inventor Name(s):   |  |   | <b>B.</b> Title or Position:  |             |                                |  |  |  |  |  |
|   |  |   |   |             |                                |  |  |  |  |  |
| C.Employed by   |  |   | D.Permanent Address:  |             |                                |  |  |  |  |  |
|   |  |   |   |             |                                |  |  |  |  |  |
| E. Title of Invention:  |  |   |   |             |                                |  |  |  |  |  |
| F. Des  | cription of Invention:                           |   |   |             |                                |  |  |  |  |  |
|   |  |   |   |             |                                |  |  |  |  |  |
| G.Dates and Places of Inventions:   |  |   |   |             |                                |  |  |  |  |  |
| 1.  | Conception by Inventor at:                       |   |   |             |                                |  |  |  |  |  |
| 2.  | 2. First Sketch or Drawing in Workbook at page   |   |   |             |                                |  |  |  |  |  |
| 3.  | 3. First Written Description in Workbook at page |   |   |             |                                |  |  |  |  |  |
| 4.  | Disclosure to Others                             |   |   |             |                                |  |  |  |  |  |
|   | at   | a                                       |   | 20          |                                |  |  |  |  |  |
|   | at   | b                                       |   | 20          |                                |  |  |  |  |  |
|   | at   | c                                       |   | 20          |                                |  |  |  |  |  |
| 5.  | 5. Completion of Model or Full Size Device at:   |   |   |             |                                |  |  |  |  |  |
| 6.  | 6. First Test or Operation of Invention at       |   |   |             |                                |  |  |  |  |  |
| H.Results of Tests and Extent of Use of Invention:  |  |   | I. Names of all Persons having  | Knowledge o | of Facts Stated Under D and E: |  |  |  |  |  |
| J. Pertinent Reports:   |  |   | K.Other Closely Related Publications, Patents, and Patent Applications: |             |                                |  |  |  |  |  |
| L. Rights of U.S. Government:   |  |   | M. Licenses or Assignments:   |             |                                |  |  |  |  |  |
| N.Contracts Involved: Contractor and Address  |  |   | Contract Nos.   |             | Date:                          |  |  |  |  |  |
|   |  | icted Confide                           |   |             |                                |  |  |  |  |  |
|   | of Contract: Unclassified Restri                 | ntial Secret Signature of Inventor (s): |   | Date:       |                                |  |  |  |  |  |
|   |  | Date:                                   | (0).  |             |                                |  |  |  |  |  |
| Forwarded by: Date:   |  | Date:                                   |   |             |                                |  |  |  |  |  |
|   |  |   |   |             |                                |  |  |  |  |  |

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## **INSTRUCTIONS**

- E. The title of the invention should briefly indicate the name of the article, device or type of machine, materials, composition, method, or process.
- F. The description of the invention may be brief, provided reference is made to detailed specifications and drawings, which should be identified by origin, file numbers, and dates. Copies should be attached to this Report. At the end of the description there should be included a brief statement of what is claimed as new and patentable.
- G.1. Give the earliest date on which, and the place where, the invention suggested itself, even though it was not completely in mind. If the invention comprises several different inventive ideas, give the conception dates of each part of the invention separately, taking care to identify each part clearly in the description of the invention.

| G.4. Di | sclosure to others should | d be by writte | en description | or by sketches | and should be    | authenticated in v | vriting |
|---------|---------------------------|----------------|----------------|----------------|------------------|--------------------|---------|
| b       | y two competent persons   | s as follows:  | "Disclosed to  | and understoo  | d by me this _   | 20                 |         |
| (s      | ."                        | Authenticati   | on of disclosu | re in workboo  | ks is preferred. |                    |         |

- H. State whether or not the invention was found to be operative, and the degree of success attained at each test of the model or full-sized device. In stating the extent of use of the invention, separate use by the Government "from commercial use."
- J. List prior reports having a bearing on the problem to which the invention refers, giving origin, file numbers, and dates.
- K. List all patents by number, date of grant, and title; list all applications for patents by filing dates, serial number, and title.

In forwarding the Record, an opinion should be given as to whether or not an application for a patent should be filed.

If the information submitted on this Record of Invention warrants a classification, the form should be appropriately classified.

## OMB DISCLOSURE STATEMENT

This form is mandatory. Public reporting burden for this collection of information is estimated to average 7.7 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Office of the Chief Information Officer, Records Management Division, IM-23, Paperwork Reduction Project OMB control number 1910-0800, U.S. Department of Energy, 1000 Independence Ave SW, Washington, DC, 20585-1290; and to the Office of Management and Budget (OMB), OIRA, Paperwork Reduction Project OMB control number 1910-0800, Washington, DC 20503.