**CERTIFICATION OF MICRO ENTITY STATUS**

**(Gross Income Basis)**

**37 CFR 1.29(a)**

**Application Number:** To Be Assigned

**Title:** Automated Vulnerability Discovery and Security Validation System for Post-Quantum Cryptographic Implementations Using GPU-Accelerated Quantum Attack Simulation

**Docket Number:** RUTHERFORD-012-PROV



**CERTIFICATION**

I hereby certify that:

**(1) Qualifying as Small Entity**

* The applicant qualifies as a small entity as defined in 37 CFR 1.27.

**(2) Gross Income Requirement**

* Neither the applicant nor the inventor nor a joint inventor has been named as the inventor or a joint inventor on more than four previously filed patent applications, excluding:

Provisional applications under 35 U.S.C. 111(b)



International applications filed under the PCT for which the basic national fee under 37 CFR 1.492(a) was not paid



Applications resulting from prior employment where the applicant was obligated to assign rights to a previous employer



**(3) Gross Income Limitation**

* Neither the applicant nor the inventor nor a joint inventor, in the calendar year preceding the calendar year in which this certification is filed, had a gross income, as defined in section 61(a) of the Internal Revenue Code of 1986, exceeding the "Maximum Qualifying Gross Income" as adjusted by the USPTO (currently $212,352 for 2024).

**(4) Assignment Restriction**

* Neither the applicant nor the inventor nor a joint inventor has assigned, granted, or conveyed, nor is under an obligation by contract or law to assign, grant, or convey, a license or other ownership interest in

the application to an entity that, in the calendar year preceding the calendar year in which this certification is filed, had a gross income exceeding the "Maximum Qualifying Gross Income."



**APPLICANT INFORMATION**

**Name:** Brian Rutherford

**Status:** Individual Inventor



**DECLARATION**

I acknowledge that any willful false statement made in this certification is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.



**SIGNATURE**

**/s/ Brian Rutherford/**

Brian Rutherford

Inventor/Applicant

Date: [Current Date]



**NOTICE**

A micro entity shall file a certification of entitlement to micro entity status in accordance with 37 CFR 1.29 in each application in which such status is established, claimed, or maintained.

**Warning:** False statements in this certification may jeopardize the validity of the application or any patent issuing thereon. The USPTO may require additional information or documentation to verify micro entity status.



**Form PTO/SB/15A (Rev 07-23)**

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