

TRANSMITTAL LETTER FOR PROVISIONAL PATENT APPLICATION

Date: [Current Date]

To: Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Via: EFS-Web Electronic Filing

RE: PROVISIONAL PATENT APPLICATION FILING

Docket Number: RUTHERFORD-012-PROV

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

Inventor: Brian Rutherford

Dear Commissioner:

Transmitted herewith for filing is a Provisional Patent Application for the above-referenced invention.

ENCLOSED DOCUMENTS

The following documents are being filed electronically via EFS-Web:

1. **Provisional Application Cover Sheet** (1 page)
2. **Application Data Sheet (ADS)** per 37 CFR 1.76 (1 page)
3. **Specification** (45 pages)
4. **Abstract of the Disclosure** (1 page)
5. **Drawing Sheets** (7 sheets)
6. **Drawing Descriptions** (2 pages)
7. **Certification of Micro Entity Status** (Gross Income Basis) (1 page)

Total Page Count: 58 pages

FILING FEES

The following fees are being paid via EFS-Web:

Fee Description	Fee Code	Amount
Provisional Application Basic Filing Fee (Micro Entity)	1025	\$75.00
TOTAL FEES		\$75.00

ENTITY STATUS

☒ **Micro Entity Status** is hereby certified. The Certification of Micro Entity Status (Gross Income Basis) form is enclosed.

CORRESPONDENCE

Please direct all correspondence regarding this application to:

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The undersigned hereby authorizes the USPTO to communicate via email regarding this application at the email address provided above.

PRIORITY CLAIM

This application does not claim priority to any prior application. This is the first filing for this invention.

DECLARATION

The undersigned declares that:

1. The attached specification and drawings, if any, constitute the complete disclosure of the claimed invention
2. The invention disclosure meets the requirements of 35 U.S.C. § 112
3. The inventor is the original and sole inventor of the subject matter claimed
4. All statements made herein of my own knowledge are true
5. All statements made on information and belief are believed to be true

POWER OF ATTORNEY

The inventor is proceeding Pro Se (self-represented) in this matter.

REQUEST FOR FILING DATE

The applicant respectfully requests that a filing date be accorded to this provisional patent application pursuant to 37 CFR 1.53(c).

CONFIRMATION

Please send confirmation of receipt and the assigned Application Number to the correspondence address listed above.

Respectfully submitted,

/s/ Brian Rutherford/

Brian Rutherford

Inventor/Applicant (Pro Se)

Date: [Current Date]

Enclosures: As listed above

CERTIFICATE OF ELECTRONIC FILING

I hereby certify that this correspondence and the documents referred to as being filed herewith are being electronically filed with the United States Patent and Trademark Office via EFS-Web on [Current Date].

/s/ Brian Rutherford/

Brian Rutherford
