

# TRANSMITTAL LETTER

---

**Brian James Rutherford**  
**6 Country Place Drive**  
**Wimberley, TX 78676-3114**  
**Tel: (512) 648-0219**  
**Email: Actual@ScrappinR.com**

---

**Date:** \_\_\_\_\_

## **Via EFS-Web Electronic Filing**

Commissioner for Patents  
United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

---

## **RE: PROVISIONAL PATENT APPLICATION FILING**

**Docket Number:** RUTHERFORD-014-PROV

**Title:** TEMPORAL QUANTUM VULNERABILITY FORECASTING SYSTEM WITH AUTOMATED QUANTUM-SAFE MIGRATION PLANNING

**Inventor:** Brian James Rutherford

---

Dear Commissioner:

Enclosed herewith for filing please find a provisional patent application on behalf of inventor **Brian James Rutherford**. This application is entitled "**Temporal Quantum Vulnerability Forecasting System with Automated Quantum-Safe Migration Planning**" and represents a novel approach to predicting quantum computing threats to current cryptographic systems with automated migration capabilities.

## **DOCUMENTS SUBMITTED**

The following documents are respectfully submitted for filing:

Document	Pages/Sheets	Notes
1. Provisional Application Cover Sheet	2 pages	Form PTO/SB/16 equivalent
2. Application Data Sheet (ADS)	3 pages	37 CFR 1.76
3. Certification of Micro Entity Status	2 pages	Form PTO/SB/15A - Gross Income Basis
4. Provisional Patent Application Specification	45 pages	Complete technical disclosure
5. Drawings/Figures	12 sheets	Figures 1-12 with descriptions
6. Inventor's Declaration	2 pages	Provisional application declaration
7. Fee Transmittal Form	2 pages	Form PTO/SB/17
8. This Transmittal Letter	2 pages	
<b>TOTAL:</b>	<b>70 pages</b>	

## FILING INFORMATION

### Entity Status

The applicant asserts **MICRO ENTITY** status under 37 CFR 1.29 and respectfully requests the benefit of reduced fees. A Certification of Micro Entity Status (Form PTO/SB/15A) based on gross income is enclosed herewith.

### Fees Submitted

- Basic Filing Fee (Micro Entity): **\$75.00**
- Additional Fees: **\$0.00**
- **TOTAL FEES ENCLOSED: \$75.00**

Payment is being made via: ☒ EFS-Web online payment system

☐ Credit Card (Form PTO-2038 attached)

☐ Check enclosed

### Priority Claims

This application does **NOT** claim priority to any previously filed application. This is the first filing in this patent family.

### Foreign Filing

No foreign applications have been filed for this invention.

## SPECIFIC REQUESTS

The undersigned respectfully requests that the Commissioner:

1. **Grant the earliest possible filing date** to this provisional patent application based on the enclosed documents
2. **Assign an Application Number** for reference in future correspondence
3. **Issue a Filing Receipt** confirming the filing date and application number
4. **Apply micro entity status** for fee calculation purposes
5. **Send all correspondence** to the address provided below

## IMPORTANT NOTES

### Provisional Application Understanding

The applicant understands that:

- This provisional application will automatically expire 12 months from the filing date
- The provisional application will not be examined on the merits
- To obtain patent protection, a non-provisional application must be filed within 12 months
- The 12-month pendency period cannot be extended

### Future Actions Contemplated

The applicant intends to:

- File a non-provisional utility application claiming priority within the 12-month period
- Consider PCT filing for international protection
- Potentially file continuation-in-part applications for improvements

## CORRESPONDENCE INFORMATION

Please direct all correspondence regarding this application to:

**Brian James Rutherford**

**6 Country Place Drive**

**Wimberley, TX 78676-3114**

**United States**

**Telephone:** (512) 648-0219

**Email:** [Actual@ScrappinR.com](mailto:Actual@ScrappinR.com)

**Docket Reference:** RUTHERFORD-014-PROV

The applicant has authorized email communication and requests that the USPTO communicate via email when possible to expedite correspondence.

## EXPRESS MAIL CERTIFICATE

(If applicable)

"Express Mail" mailing label number: \_\_\_\_\_

Date of Deposit: \_\_\_\_\_

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

## CERTIFICATE OF ELECTRONIC TRANSMISSION

I hereby certify that this correspondence and all attached documents are being electronically transmitted to the United States Patent and Trademark Office via EFS-Web on the date shown below.

**Date of Transmission:** \_\_\_\_\_

**Signature:** /Brian James Rutherford/

**Name:** Brian James Rutherford

## CONCLUSION

The applicant believes that all formal requirements for filing a provisional patent application have been met. Should any deficiencies be noted, the applicant respectfully requests notification so that appropriate corrections can be made promptly.

The invention disclosed in this application represents a significant advancement in quantum-resistant cybersecurity technology with important implications for protecting critical infrastructure from future quantum computing threats. The applicant looks forward to receiving the filing receipt and application number.

Thank you for your attention to this matter. Should you require any additional information or clarification, please do not hesitate to contact me at the above address.

---

Respectfully submitted,

**/Brian James Rutherford/**

Brian James Rutherford

Pro Se Inventor/Applicant

Date: \_\_\_\_\_

---

## ENCLOSURES

- ☒ Provisional Application Cover Sheet
  - ☒ Application Data Sheet (ADS)
  - ☒ Certification of Micro Entity Status
  - ☒ Provisional Patent Application Specification (45 pages)
  - ☒ Drawings (12 sheets)
  - ☒ Inventor's Declaration
  - ☒ Fee Transmittal Form
  - ☒ Filing Fee (\$75.00)
-