**PROVISIONAL APPLICATION FOR PATENT COVER SHEET**

**Page 1 of 1**



**This is a request for filing a PROVISIONAL APPLICATION under 37 CFR 1.53(b)(2)**



**INVENTOR(S)**

**Given Name:** Brian

**Family Name:** Rutherford

**Residence:** Wimberley, TX

**Country of Citizenship:** United States



**TITLE OF INVENTION (500 characters max)**

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



**CORRESPONDENCE ADDRESS**

Brian Rutherford

6 Country Place Drive

Wimberley, Texas 78676-3114

United States

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

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



**ENTITY STATUS**

* **MICRO ENTITY** - Applicant certifies micro entity status. See 37 CFR 1.29.

☐ SMALL ENTITY ☐ LARGE ENTITY



**APPLICATION ELEMENTS**

**Check all that apply:** ☑ Specification - Number of Pages: 45

* Drawing(s) - Number of Sheets: 7
* Application Data Sheet. See 37 CFR 1.76



**FILING FEE CALCULATION**

**Micro Entity Status (37 CFR 1.29)**

Basic Filing Fee (37 CFR 1.16(d)): $75



Search Fee: $0 (not required for provisional)



Examination Fee: $0 (not required for provisional)



**TOTAL FEE:** $75



**METHOD OF PAYMENT**

* Check or money order enclosed
* Credit Card (Form PTO-2038 attached) ☑ Payment via EFS-Web



**DOCKET NUMBER**

RUTHERFORD-012-PROV



**SIGNATURE**

**/s/ Brian Rutherford/**

Brian Rutherford, Inventor

Date: [Current Date]

Registration Number: Pro Se



**EFS-Web filing date will be accorded**