

TRANSMITTAL LETTER

PROVISIONAL PATENT APPLICATION

Date: [Current Date]

To: Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Via: EFS-Web Electronic Filing System

APPLICANT INFORMATION

Inventor/Applicant: Brian James Rutherford

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Docket No.: RUTHERFORD-017-PROV

RE: PROVISIONAL PATENT APPLICATION FILING

Dear Commissioner:

Transmitted herewith for filing is a Provisional Patent Application for:

Title: CULTURALLY-ADAPTIVE DIFFERENTIAL PRIVACY SYSTEM WITH FEDERATED LEARNING FOR MULTI-JURISDICTIONAL THREAT INTELLIGENCE SHARING AMONG DEFENSIVE AI AGENT NETWORKS

Inventor: Brian James Rutherford (US Citizen)

ENCLOSED DOCUMENTS

The following documents are submitted herewith:

Document	Pages/Sheets
1. Provisional Application Cover Sheet (PTO/SB/16)	1
2. Application Data Sheet (ADS)	2
3. Specification	125
4. Claims	Included in Specification
5. Abstract	1
6. Drawings (Figures 1-10)	10 sheets
7. Micro Entity Certification (PTO/SB/15A)	1
8. Fee Transmittal	1
9. Inventor's Oath/Declaration	1

Total Pages: Approximately 142 pages

FEES

Fee Description	Amount
Provisional Application Filing Fee (Micro Entity)	\$75.00
TOTAL FEES SUBMITTED	\$75.00

Payment Method: Credit Card via EFS-Web

ENTITY STATUS

☒ **Micro Entity Status** is hereby claimed and certified per the attached Form PTO/SB/15A. The applicant qualifies for micro entity status under 37 CFR 1.29(a) based on gross income basis.

CORRESPONDENCE ADDRESS

Please direct all correspondence regarding this application to:

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☒ Applicant authorizes USPTO to communicate via email at the above address

PRIORITY CLAIM

No priority is claimed. This is the first filing in this patent family.

RELATED APPLICATIONS

This application relates to the Mathematical Woven Responsive Adaptive Swarm Platform (MWRASP Total) defensive cybersecurity system portfolio. While this is the first formal patent filing, related provisional applications are planned for:

- Hierarchical Byzantine Fault-Tolerant Consensus System for Coordinating 10,000+ Defensive AI Agents
 - Quantum-Enhanced Behavioral Analytics System Using Variational Quantum Algorithms
 - AI-Native Zero Trust Architecture with Continuous Behavioral Verification
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SPECIAL REQUESTS

1. **Confirmation of Filing:** Please provide electronic confirmation of filing with application number and filing date.
 2. **Patent Application Publication:** As this is a provisional application, no publication is requested or required.
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DECLARATION

The undersigned hereby declares that:

- All statements made herein are true to the best of my knowledge and belief
 - I am authorized to act on behalf of the applicant
 - I acknowledge the duty to disclose information material to patentability under 37 CFR 1.56
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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 [Current Date].

Respectfully submitted,

/Brian James Rutherford/

Brian James Rutherford

Pro Se Inventor

Date: [Current Date]

CONTACT INFORMATION

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End of Transmittal Letter