

TRANSMITTAL LETTER FOR PROVISIONAL PATENT APPLICATION

Date: [Current Date]

To: Commissioner for Patents

United States Patent and Trademark Office

Alexandria, VA 22313-1450

From:

Brian James Rutherford

6 Country Place Drive

Wimberley, TX 78676-3114

(512) 648-0219

Actual@ScrappinR.com

Re: Provisional Patent Application Filing

Docket No.: RUTHERFORD-016-PROV

TRANSMITTED HERewith

Please find enclosed for filing a **Provisional Patent Application** for:

Title: DELIBERATE ERROR TOLERANCE ARCHITECTURE (DETA) FOR ULTRA-LOW LATENCY QUANTUM-INSPIRED THREAT DETECTION WITH CONTROLLED ACCURACY TRADEOFFS

Inventor: Brian James Rutherford

DOCUMENTS ENCLOSED

The following documents are being filed via EFS-Web:

- ☑ **1. Provisional Application Cover Sheet** (1 page)
- ☑ **2. Application Data Sheet (ADS)** (3 pages)
- ☑ **3. Specification** (45 pages)
- ☑ **4. Drawings** (5 sheets - informal)
- ☑ **5. Micro Entity Certification (Form SB/15A)** (2 pages)
- ☑ **6. This Transmittal Letter** (2 pages)

Total Pages: 58

FEE CALCULATION

Entity Status: Micro Entity (75% fee reduction)

Fee Type	Fee Code	Micro Entity Fee
Provisional Application Basic Filing Fee	1051	\$75.00
TOTAL FEES DUE		\$75.00

Payment Method: Credit Card via EFS-Web

MICRO ENTITY STATUS

The applicant certifies micro entity status under 37 CFR 1.29(a) based on gross income basis. Certification Form SB/15A is attached.

CORRESPONDENCE ADDRESS

Please direct all correspondence regarding this application to:

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

Authorization to communicate via email: Yes

DECLARATION

The undersigned hereby certifies that:

1. This provisional patent application is being filed as the first application in this patent family
 2. No foreign priority is claimed
 3. The inventor is proceeding pro se
 4. All statements made herein are true to the best of my knowledge and belief
 5. The invention has not been disclosed in any publication more than one year prior to this filing
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SIGNATURE

/Brian James Rutherford/

Brian James Rutherford

EFS-WEB FILING CHECKLIST

Pre-Filing Checklist

- ☐ **USPTO.gov Account Created**
- ☐ **Customer Number Obtained** (optional for pro se)
- ☐ **Digital Certificate Installed** (if using)
- ☐ **All Documents in PDF Format**
- ☐ **Credit Card Ready for Payment**

Document Preparation

- ☐ **Cover Sheet** - Complete and signed
- ☐ **Application Data Sheet** - All sections complete
- ☐ **Specification** - Includes:
 - Title
 - Cross-references (if any)
 - Background
 - Summary
 - Brief Description of Drawings
 - Detailed Description
 - Claims (at least one)
 - Abstract
- ☐ **Drawings** - All 5 figures included
- ☐ **Micro Entity Certification** - Signed and dated
- ☐ **Transmittal Letter** - Complete

EFS-Web Filing Steps

Step 1: Start New Submission

- ☐ Go to <https://efs.uspto.gov>
- ☐ Select "EFS-Web Unregistered eFilers"

- ☐ Select "New Application"
- ☐ Choose "Provisional"

Step 2: Application Data

- ☐ Enter Title (max 500 characters)
- ☐ Confirm "First Named Inventor": Brian James Rutherford
- ☐ Enter Docket Number: RUTHERFORD-016-PROV
- ☐ Select "Micro Entity"

Step 3: Attach Documents

- ☐ Upload Cover Sheet as "Provisional Cover Sheet"
- ☐ Upload ADS as "Application Data Sheet"
- ☐ Upload Specification as "Specification"
- ☐ Upload Drawings as "Drawings-Informal"
- ☐ Upload Micro Entity Cert as "Certification of Micro Entity Status"

Step 4: Review

- ☐ Verify all documents uploaded correctly
- ☐ Check page counts match
- ☐ Confirm micro entity status selected
- ☐ Review fee calculation (\$75.00)

Step 5: Submit & Pay

- ☐ Click "Submit"
- ☐ Enter credit card information
- ☐ Authorize payment of \$75.00
- ☐ **Save/Print Filing Receipt**
- ☐ **Note Application Number** (Format: 63/XXX,XXX)

Step 6: Post-Filing

- ☐ Save electronic filing receipt
- ☐ Calendar 12-month deadline for non-provisional
- ☐ Begin preparing formal drawings
- ☐ Consider foreign filing strategy

IMPORTANT REMINDERS

1. **12-Month Deadline:** You must file a non-provisional application within 12 months to claim priority to this provisional
 2. **No New Matter:** The non-provisional cannot add new matter beyond what's disclosed in this provisional
 3. **Foreign Filing:** If planning foreign filings, must be done within 12 months of provisional filing date
 4. **Public Disclosure:** This provisional application will NOT be published unless referenced in a later-published application
 5. **Patent Pending:** You may mark products "Patent Pending" once this application is filed
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POST-FILING ACTIONS

Within 1 Week

- ☐ Verify filing receipt received via email
- ☐ Confirm application number assigned
- ☐ Update internal records with application number

Within 1 Month

- ☐ Begin drafting non-provisional claims
- ☐ Consider prior art search update
- ☐ Evaluate foreign filing countries

Within 6 Months

- ☐ Finalize non-provisional strategy
- ☐ Prepare formal drawings
- ☐ Consider continuation-in-part if improvements made

Within 10 Months

- ☐ File non-provisional application
 - ☐ File PCT if international protection desired
 - ☐ Update investor materials with patent pending status
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CONTACT INFORMATION

USPTO Contact Center

Phone: 1-800-786-9199

Email: ebc@uspto.gov

Hours: Monday-Friday, 8:30 AM - 8:00 PM ET

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EFS-Web Help Desk

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Document Prepared By:

Brian James Rutherford

Date: [Current Date]

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