

**PROVISIONAL APPLICATION FOR PATENT COVER SHEET**  
**37 CFR § 1.51(c)**

**EXPRESS MAIL LABEL NO.:** \_\_\_\_\_ **(if applicable)**

**INVENTOR(S)/APPLICANT(S)**

Given Name: Brian James  
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**TITLE OF THE INVENTION**

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

**CORRESPONDENCE ADDRESS**

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**ENTITY STATUS (check one)**

- ☐ Large Entity  
☐ Small Entity (verified status - see 37 CFR 1.27)  
☒ **Micro Entity** (see 37 CFR 1.29 - certification attached)

**DOCKET NUMBER**

RUTHERFORD-016-PROV

**ENCLOSED APPLICATION PARTS (check all that apply)**

- ☒ Specification, Number of Pages: **45**  
☒ Drawing(s), Number of Sheets: **5**  
☐ Nucleotide and/or Amino Acid Sequence Listing  
☐ Compact Disc(s), Number of CDs: \_\_\_\_\_

**METHOD OF PAYMENT OF FILING FEES**

☒ Applicant asserts micro entity status. See 37 CFR 1.29.  
Form PTO/SB/15A is attached.

☒ A check or money order made payable to the Director of the United States Patent and Trademark Office is enclosed to cover the filing fee and application size fee (if applicable).

TOTAL FEE AMOUNT: **\$75.00**

**USE ONLY FOR FILING A PROVISIONAL APPLICATION FOR PATENT**

The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.

☐ No

☐ Yes, the name of the U.S. Government agency and the Government contract number are:

**SIGNATURE**

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Signature

**Brian James Rutherford**

Typed or Printed Name

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Date

Registration No. (if applicable):

**Pro Se Inventor**