

**PROVISIONAL APPLICATION FOR PATENT COVER SHEET – Page 1 of 2**

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53(c).

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<b>INVENTOR(S)</b>		
Given Name (first and middle [if any])	Family Name or Surname	Residence (City and either State or Foreign Country)
Brian	Rutherford	Wimberley, Texas, USA
Additional inventors are being named on the _____ separately numbered sheets attached hereto.		
<b>TITLE OF THE INVENTION (500 characters max):</b>		
Ultra-Low Latency Quantum-Inspired Decision Engine with Deliberate Accuracy Optimization for Real-Time Cybersecurity Defense		
<div style="display: flex; justify-content: space-between;"> <span>Direct all correspondence to:</span> <span><b>CORRESPONDENCE ADDRESS</b></span> </div> <div style="display: flex; align-items: flex-start; margin-top: 5px;"> <div style="flex: 1;"> <input type="checkbox"/> The address corresponding to Customer Number: </div> <div style="border: 1px solid black; padding: 10px; margin-left: 10px; flex: 1;"> <div style="font-size: 1.5em; text-align: center;">210482</div> </div> </div> <div style="margin-top: 5px;"> <b>OR</b>  <input type="checkbox"/> Firm or Individual Name </div>		
Address		
City	State	Zip
Country	Telephone	Email
<b>ENCLOSED APPLICATION PARTS (check all that apply)</b>		
<div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76. </div> <div> <input type="checkbox"/> CD(s), Number of CDs _____ </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div> <input checked="" type="checkbox"/> Drawing(s) Number of Sheets <u>14</u> </div> <div> <input type="checkbox"/> Other (specify) _____ </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div> <input checked="" type="checkbox"/> Specification (e.g., description of the invention) Number of Pages <u>2</u> </div> </div>		
<b>Fees Due:</b> Filing Fee of \$325 (\$130 for small entity) (\$65 for micro entity). If the specification and drawings exceed 100 sheets of paper, an application size fee is also due, which is \$450 (\$180 for small entity) (\$90 for micro entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).		
<b>METHOD OF PAYMENT OF THE FILING FEE AND APPLICATION SIZE FEE FOR THIS PROVISIONAL APPLICATION FOR PATENT</b>		
<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Applicant asserts small entity status. See 37 CFR 1.27.  <input checked="" type="checkbox"/> Applicant certifies micro entity status. See 37 CFR 1.29.  Applicant must attach form PTO/SB/15A or Bor equivalent.  <input type="checkbox"/> A check or money order made payable to the <i>Director of the United States Patent and Trademark Office</i> is enclosed to cover the filing fee and application size fee (if applicable).  <input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.  <input type="checkbox"/> The Director is hereby authorized to charge the filing fee and application size fee (if applicable) or credit any overpayment to Deposit Account Number: _____ </div> <div style="text-align: right; width: 30%;"> <div style="border: 1px solid black; padding: 10px; display: inline-block; margin-bottom: 10px;"> <div style="font-size: 1.5em; text-align: center;">\$65.00</div> </div> <b>TOTAL FEE AMOUNT (\$)</b> </div> </div>		

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The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government. (NOTE: Providing this information on a provisional cover sheet, such as this Provisional Application for Patent Cover Sheet (Form PTO/SB/16), does not satisfy the requirement of 35 U.S.C. 202(c)(6), which requires that the *specification* contain a statement specifying that the invention was made with Government support and that the Government has certain rights in the invention.)



No.



Yes, the invention was made by an agency of the U.S. Government. The U.S. Government agency name is:

\_\_\_\_\_



Yes, the invention was made under a contract with an agency of the U.S. Government.

The contract number is: \_\_\_\_\_

The U.S. Government agency name is: \_\_\_\_\_

\_\_\_\_\_

In accordance with 35 U.S.C. 202(c)(6) and 37 CFR 401.14(f)(4), the specifications of any United States patent applications and any patent issuing thereon covering the invention, including the enclosed provisional application, must state the following:

“This invention was made with government support under [IDENTIFY THE CONTRACT] awarded by [IDENTIFY THE FEDERAL AGENCY]. The government has certain rights in the invention.”

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SIGNATURE /Brian Rutherford/ DATE 8/20/2025  
 TYPED OR PRINTED NAME Brian Rutherford REGISTRATION NO. \_\_\_\_\_  
 (if appropriate)  
 TELEPHONE 512-648-0219 DOCKET NUMBER RUTHERFORD-018-PROV

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