

UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE PATENT TRIAL AND APPEAL BOARD

In re U.S. Patent No. 8,332,082

Filed: March 30, 2011

Issued: December 11, 2012

Inventors: Kevin Thomas Christensen, Shyhyng Jack Shue, and Troy Sheldon
Caudill

Assignee: Textron Innovations Inc.

Title: Flight control laws for constant vector flat turns

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DECLARATION OF TRENTON J. ROCHE

I, TRENTON J. ROCHE, make this declaration in connection with the petition for *inter partes* review submitted by Petitioner for U.S. Patent No. 8,332,082. All statements herein are made of my own personal knowledge. I am over age 21 and otherwise competent to make this declaration. Neither I nor my employer have a stake in the outcome of this proceeding or any related litigation or administrative proceedings.

1. I am currently the Agency Counsel for Intellectual Property at NASA Headquarters. My office is located at 300 E Street, SW, Washington D.C. 20546.

2. I served as a Senior Patent Attorney at NASA Headquarters from June 2020 until January 2023, and as Agency Counsel for Intellectual Property since January 2023.

3. As Agency Counsel for Intellectual Property, I am familiar with the NASA Scientific and Technical Information (STI) Program, which collects, organizes, provides access to, and preserves NASA's published research and development results. As part of the STI Program, NASA provides access to published research and development results on NASA's Technical Reports Server (NTRS). The NTRS is free and publicly accessible, contains record details for all of the published materials, and is publicly searchable by keyword.

4. In connection with the preparation of this declaration, I reviewed the record details for one document which appears in NTRS identified with Document ID 19940008849. I can confirm that this ID is for a document entitled *Design and Pilot Evaluation of the RAH-66 Comanche Selectable Control Modes*, which can be retrieved from the NTRS.

5. Upon information and belief, this document was publicly available through NTRS as follows:

- 19940008849 – Available on NTRS since it was brought online in 2003, except such document was pulled off NTRS in March or April of 2013 and was not re-uploaded to NTRS until August 2013.

6. I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code.

7. I declare under penalty of perjury that the foregoing is true and correct.

Executed on June 14th, 2023

A handwritten signature in black ink, appearing to read 'TJ Roche', written over a horizontal line.

Trenton J. Roche
Agency Counsel for Intellectual Property
NASA Headquarters