

IN THE  
**Supreme Court of the United States**

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VIRNETX INC. AND LEIDOS, INC.,

*Petitioners,*

v.

MANGROVE PARTNERS MASTER FUND, LTD.;  
APPLE INC.; BLACK SWAMP IP, LLC; AND  
KATHERINE K. VIDAL, UNDER SECRETARY OF  
COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND  
TRADEMARK OFFICE,

*Respondents.*

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On Petition for a Writ of Certiorari  
to the United States Court of Appeals  
for the Federal Circuit

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**REPLY FOR PETITIONERS**

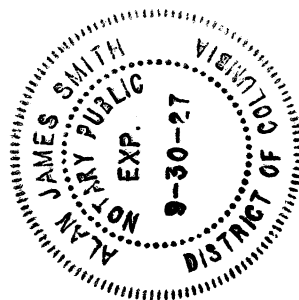
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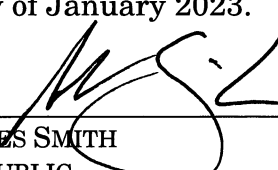
**CERTIFICATE OF COMPLIANCE**

As required by Supreme Court Rule 33.1(h), I certify that the document contains 2,997 words, excluding the parts of the document that are exempted by Supreme Court Rule 33.1(d).

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

Sworn to and subscribed before me this 10th day of January 2023.



  
ALAN JAMES SMITH  
NOTARY PUBLIC  
District of Columbia

My commission expires September 30, 2027.