

**United States Court of Appeals
for the Federal Circuit**

VIRNETX INC.,
Appellant

v.

**MANGROVE PARTNERS MASTER FUND, LTD.,
APPLE INC.,**
Appellees

**KATHERINE K. VIDAL, UNDER SECRETARY OF
COMMERCE FOR INTELLECTUAL PROPERTY
AND DIRECTOR OF THE UNITED STATES
PATENT AND TRADEMARK OFFICE,**
Intervenor

2020-2271

Appeal from the United States Patent and
Trademark Office, Patent Trial and Appeal Board in
Nos. IPR2015-01046, IPR2016-00062.

VIRNETX INC.,
Appellant

v.

**MANGROVE PARTNERS MASTER FUND, LTD.,
APPLE INC., BLACK SWAMP IP, LLC,**
Appellees

**KATHERINE K. VIDAL, UNDER SECRETARY OF
COMMERCE FOR INTELLECTUAL PROPERTY
AND DIRECTOR OF THE UNITED STATES
PATENT AND TRADEMARK OFFICE,**

Intervenor

2020-2272

Appeal from the United States Patent and Trademark
Office, Patent Trial and Appeal Board in Nos. IPR2015-
01047, IPR2016- 00063, IPR2016-00167.

MANDATE

In accordance with the judgment of this Court, entered
March 30, 2023, and pursuant to Rule 41 of the Federal
Rules of Appellate Procedure, the formal mandate is
hereby issued.

FOR THE COURT

June 29, 2023
Date

/s/ Jarrett B. Perlow
Jarrett B. Perlow
Acting Clerk of Court