

# United States Court of Appeals for the Federal Circuit

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IN RE: PERSONALWEB TECHNOLOGIES LLC,  
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AMAZON.COM, INC., AMAZON WEB SERVICES,  
INC.,  
*Plaintiffs-Appellees*

v.

PERSONALWEB TECHNOLOGIES LLC,  
*Defendant-Appellant*

LEVEL 3 COMMUNICATIONS, LLC,  
*Defendant*

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PERSONALWEB TECHNOLOGIES LLC,  
*Plaintiff-Appellant*

LEVEL 3 COMMUNICATIONS, LLC,  
*Plaintiff*

v.

TWITCH INTERACTIVE, INC.,  
*Defendant-Appellee*

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2021-1858, 2021-1859, 2021-1860  
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Appeals from the United States District Court for the Northern District of California in Nos. 5:18-md-02834-BLF, 5:18-cv-00767-BLF, 5:18-cv-05619-BLF, Judge Beth Labson Freeman.

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**MANDATE**

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In accordance with the judgment of this Court, entered November 3, 2023, and pursuant to Rule 41 of the Federal Rules of Appellate Procedure, the formal mandate is hereby issued.

FOR THE COURT

December 11, 2023  
Date



Jarrett B. Perlow  
Clerk of Court