

**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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2020-1566, 2020-1568, 2020-1569

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

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**MANDATE**

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In accordance with the judgment of this Court, entered August 12, 2021, and pursuant to Rule 41 of the Federal Rules of Appellate Procedure, the formal mandate is hereby issued.

FOR THE COURT

November 12, 2021

/s/ Peter R. Marksteiner

Peter R. Marksteiner  
Clerk of Court