

**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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**JUDGMENT**

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THIS CAUSE having been considered, it is

ORDERED AND ADJUDGED:

**AFFIRMED**

FOR THE COURT

November 3, 2023

Date

/s/ Jarrett B. Perlow

Jarrett B. Perlow  
Clerk of Court