

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

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**SHOCKWAVE MEDICAL, INC.,**  
*Appellant*

v.

**CARDIOVASCULAR SYSTEMS, INC.,**  
*Appellee*

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2020-2251

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Appeal from the United States Patent and Trademark  
Office, Patent Trial and Appeal Board in No. IPR2019-  
00409.

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**MANDATE**

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In accordance with the judgment of this Court, entered  
January 18, 2022, and pursuant to Rule 41 of the Federal  
Rules of Appellate Procedure, the formal mandate is  
hereby issued.

FOR THE COURT

February 24, 2022

Date

/s/ Peter R. Marksteiner  
Peter R. Marksteiner  
Clerk of Court