

**UNITED STATES PATENT AND TRADEMARK OFFICE**

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**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

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**World Programming Limited**  
Petitioner

v.

**SAS Institute Inc.**  
Patent Owner

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Case IPR2019-01459  
Patent 7,447,686

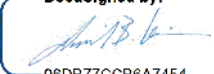
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**PATENT OWNER SAS INSTITUTE INC.'S  
POWER OF ATTORNEY**

Patent Owner SAS Institute Inc. hereby appoints the following practitioners as its attorneys to transact all business in the United States Patent and Trademark Office associated with the above-captioned *inter partes* review.

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The individual signing below has the authority to execute this document on behalf of Patent Owner, SAS Institute Inc.

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sr. Vice President & General Counsel  
 \_\_\_\_\_  
 Title

10/25/2019 | 11:34 AM EDT

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Date



**CERTIFICATE OF SERVICE**

The undersigned hereby certifies that a copy of the foregoing PATENT OWNER SAS INSTITUTE INC.'S POWER OF ATTORNEY was served on October 30, 2019, via electronic mail, at the following:

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