

CORRECTED CERTIFICATE OF SERVICE

The undersigned hereby certifies that a true and correct copy of the foregoing **PATENT OWNER'S NOTICE OF APPEAL** was served on November 19, 2019, via email, to attorneys for Petitioner:

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The undersigned certifies that, in addition to being filed electronically through the Patent Trial and Appeal Board End to End (PTAB E2E) system on November 19, 2019, a true and correct copy of the foregoing **PATENT OWNER'S NOTICE OF APPEAL** was served November 20, 2019, on the Director of the United States Patent and Trademark Office at the following address:

Director of the United States Patent and Trademark Office
c/o Office of the General Counsel
Madison Building East, 10B20
600 Dulany Street
Alexandria, VA 22314-5793

The undersigned also certifies that a true and correct copy of the foregoing
PATENT OWNER'S NOTICE OF APPEAL was filed electronically on
November 19, 2019, with the United States Court of Appeals for the Federal
Circuit.

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