Certification of Compliance with Type-Volume Limitation

Under 37 C.F.R. § 42.24(d)

The undersigned hereby certifies that the Preliminary Response complies with the type-volume limitation in 37 C.F.R. § 42.24(a)(1)(iv). According to the wordprocessing system's word count, the document contained 12,858 words, excluding the parts of the brief exempted by 37 C.F.. § 42.24(a)(1).

Date: July 19, 2022

/Brian R. Landry/ Reg. No. 62,074

Certification of Service Under 37 C.F.R. § 42.6(e)(4)

The undersigned hereby certifies that the Preliminary Response was served in its entirety by filing through the Patent Trial and Appeal Board End to End (PTAB E2E), as well as providing a courtesy copy via e-mail to the following attorneys of record for Petitioners listed below:

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Date: July 19, 2022

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