

**DECLARATION OF RYAN A. HARGRAVE IN SUPPORT OF
CORRECTED MOTION FOR *PRO HAC VICE* ADMISSION**

I, Ryan A. Hargrave, being duly sworn and upon oath, hereby attest to the following:

1. I am a member in good standing of the Bar of Texas as well as the U.S. Court of Appeals for the Federal Circuit, and the U.S. District Courts for the Eastern, Northern, and Southern Districts of Texas;
2. I have not been suspended or disbarred from practice before any court or administrative body;
3. Other than my previous submission in this matter, and similarly in IPR2018-01054 that was denied without prejudice, I have never had an application for admission to practice before any court or administrative body denied;
4. I have never had sanctions or contempt citations imposed against me by any court or administrative body;
5. I have read and will comply with the Office Patent Trial Practice Guide and the Board's Rules of Practice for Trials set forth in part 42 of 37 C.F.R.;
6. I will be subject to the USPTO Rules of Professional Conduct set forth in 37 C.F.R. §§ 11.101 *et. seq.* and disciplinary jurisdiction under 37 C.F.R. § 11.19(a);

7. I am applying to appear *pro hac vice* to the present proceeding, number IPR2018-01055, and have applied to appear *pro hac vice* on behalf of Patent Owner in IPR2018-01054. I have not applied to appear *pro hac vice* in any other proceedings in the last three (3) years; and

8. As an experienced litigation attorney before both state and federal courts, I am familiar with the subject matter at issue in the proceeding, including the prior art on which Petitioners rely and U.S. Patent No. 9,370,631. I have also reviewed the pertinent issues of claim construction that have been briefed in this proceeding.

9. I declare that all statements made herein are of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code.

I declare under penalty of perjury that the foregoing is true and correct.

DATED: November 15, 2018,

/Ryan A. Hargrave/

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