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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Patent Board
Patent Trial and Appeal Board
P.O. Box 1450
Alexandria, VA 22313-1450

DECLARATION OF JOSHUA C. HARRISON IPR Trial Numbers: IPR2016-00948 (Patent 8,641,525) IPR2016-00949 (Patent 9,089,770)

EXHIBIT LABEL, per 37 CFR 42.63(d): Valve Corporation's Exhibit No. 1013 Names of the Parties: Valve Corporation (Petitioner) vs. Ironburg Inventions Ltd (Patent Owner) IPR Trial Numbers: IPR2016-00948 (Patent 8,641,525) IPR2016-00949 (Patent 9,089,770)



I, Joshua C. Harrison, Ph.D, Esq., USPTO Reg.# 45.686, hereby declare:

- 1. I am a patent attorney, representing Valve Corporation ("Valve") on various district court and other matters, including inter partes review proceedings numbered IPR2016-00948 and IPR2016-00949, which were filed on April 22, 2016, and are currently pending before the Patent Trial and Appeal Board ("PTAB") of the United States Patent and Trademark Office ("USPTO").
- 2. I make this declaration based on my own personal knowledge. Nothing in this declaration should be construed as a waiver of the attorney-client privilege or any other applicable privileges.
- 3. I am registered to practice as a U.S. patent attorney before the USPTO (USPTO Reg. No. 45,686), and I am admitted in good standing to practice as an attorney in the State of California (Cal. Bar. No. 223,422).
- 4. I was awarded a Bachelor of Science degree in Mechanical Engineering (cum laude) from the University of Southern California in 1987, a Master of Science degree in Mechanical Engineering from the University of California, San Diego (UCSD) in 1989, a Doctor of Philosophy (Ph.D) degree in Mechanical Engineering from UCSD in 1992, and a Doctor of Jurisprudence degree from the Leland Stanford Junior University in 2002.
- 5. I have worked as a registered patent agent since 1999, and as a patent attorney since 2002. In more than 15 years of professional practice before the USPTO, I have never knowingly made any misrepresentation to the USPTO, nor have I ever been accused of doing so.
- 6. Petitioner's Exhibit 1007 to each of the IPR petitions in instituted trials IPR2016-00948 and IPR2016-00949 is a true and correct copy of the UK



Search and Examination Report for Patent App. No. GB1011078.1, dated 16 May 2011.

- 7. Today I re-confirmed that Exhibit 1007 to each of the IPR petitions in instituted trials IPR2016-00948 and IPR2016-00949, matches in all material aspects the version available for download from the Online Patent Information and Document Inspection Service (Ipsum) of the U.K. Intellectual Property Office, at https://www.ipo.gov.uk/p-ipsum/Case/PublicationNumber/GB2481633
- 8. I declare under penalty of perjury, pursuant to 28 U.S.C. §1746 and 18 U.S.C. §1001, that the foregoing is true and correct.

Executed on: November 14, 2016

By: /Joshua C. Harrison, USPTO Reg. # 45,686/

