UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

COLLECTIVE MINDS GAMING CO. LTD.

Petitioner,

v.

IRONBURG INVENTIONS LTD.,
Patent Owner.

Case IPR2018-00354
Patent 8,641,525

DECLARATION OF DR. GLEN STEVICK

IN SUPPORT OF THE PATENT OWNER PRELIMINARY RESPONSE

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I, Dr. Glen Stevick, declare and state as follows:

I. INTRODUCTION

1. I have been retained by Ironburg Inventions Ltd. ("Ironburg" or "Petitioner") to consider the merits of Valve Corporation's ("Valve") unpatentability assertions set forth in the above-captioned Petition with regard to United States Patent No. 8,641,525 ("the '525 patent"). I have personal knowledge of the facts and opinions stated in this Declaration, and am competent to testify thereto.

2. My company, Berkeley Engineering and Research, Inc. (BEAR) is being compensated at my standard consulting rate of $450.00 per hour. My compensation is not contingent upon the substance of my declaration, any statements or opinions made, or the outcome of this matter.

II. QUALIFICATIONS

3. I understand that a true and accurate copy of my current curriculum vitae has been identified and will be filed by Ironburg as Exhibit 2002. Several of the details concerning my educational background, work experience, academic appointments, honors, awards, and publications are further discussed below.

4. I have over 35 years of experience in the general field of mechanical engineering, mechanical-electrical engineering and related engineering disciplines. My expertise includes years of experience in failure analysis and design of structures, material behavior, consumer products, industrial equipment and medical devices, including specifically mechanical-electrical systems, aortic, hip and knee implants, turbines and reciprocating engines, automotive and aircraft components; structural dynamics, electronic control systems, material behavior, heat transfer and structure/fluid interaction.

5. I received a Bachelors of Science degree in Mechanical Engineering from Michigan Technological University in 1980 and a Masters of Science degree in Mechanical Engineering from the University of California, Berkeley in 1981.

6. I worked for Chevron Corporation during and after my time at Michigan Technological University and U.C. Berkeley while working toward my Master's degree. From 1981 to 1989, I worked as an engineering mechanics specialist assisting field engineers with difficult failure and re-designs ranging from refinery equipment controls to cracks in an offshore platform in the North Sea.

7. In 1989, I returned to the University of California, Berkeley and started Berkeley Engineering And Research, Inc. ("BEAR"). BEAR provides mechanical and electrical engineering services ranging from project analysis and consultation to accident investigations and expert testimony.

8. I completed my Ph.D. in Mechanical Engineering from the University of California, Berkeley in 1993 majoring in material behavior and design, and minoring in structural analysis and dynamics and controls (electronic controls). In my work at BEAR, I have designed, and analyzed the failures of, controllers for use at BEAR, in products we have sold and/or consulted on, and in general use on a wide variety of equipment.

9. I am a registered Mechanical Engineer in California, Texas, Louisiana and Nevada and a member of the American Society of Mechanical Engineers.

10. In addition, I have taught mechanical engineering at U.C. Berkeley, serving as an instructor for the department's senior design course, "Mechanical Engineering Design," and have conducted various lectures on mechanical engineering topics.

11. Currently, I serve as a mechanical engineering consultant at BEAR, specializing in failure analysis and design of dynamic structures, industrial

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