UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

DEXCOM, INC.,
Petitioner,

v.

ABBOTT DIABETES CARE INC.,
Patent Owner.

U.S. Patent No.: 11,298,056
Issued: April 12, 2022
Application No.: 17/411,154
Filed: August 25, 2021

Title: METHODS AND SYSTEMS FOR EARLY SIGNAL ATTENUATION DETECTION AND PROCESSING

DECLARATION OF MORTEN O. JENSEN, PH.D., DR.MED

TABLE OF CONTENTS

I, Morten O. Jensen, declare as follows:

I. INTRODUCTION AND ENGAGEMENT

1. I have been retained as an independent expert on behalf of Dexcom, Inc. in connection with the above-captioned Petition for Inter Partes Review ("IPR") to provide my analyses and opinions on certain technical issues related to U.S. Patent No. 11,298,056 (hereinafter "the '056 Patent").

2. I am being compensated at my usual and customary rate for the time I spend in connection with this IPR. My compensation is not affected by the outcome of this IPR.

3. Specifically, I have been asked to provide my opinions regarding whether Mr. Harper's patent application filed on December 21, 2018, U.S. Ser. No. 16/228,910 ("the Grandparent application," (Ex1202)) sufficiently described and enabled, from the perspective of an ordinarily skilled artisan, the claims of the '056 patent.

II. BACKGROUND AND QUALIFICATIONS

4. I am an expert in the fields of biomedical engineering and electrical and computer engineering. In formulating my opinions, I have relied upon my training, knowledge, and experience in the relevant art. A copy of my curriculum vitae is appended to this declaration as Appendix A and provides a description of my professional experience, including my academic and employment history,

publications, conference participation, awards and honors, and more. The following is a brief summary of my relevant qualifications and professional experience.

5. I graduated with honors from the Engineering College of Aarhus in Denmark in July 1997 with a B.Sc. (bachelor's) degree in electrical and computer engineering with a focus on biomedical engineering. I graduated from the Georgia Institute of Technology and Emory University School of Medicine (joint program) in May 2000 with a M.Sc. (master's) degree in biomedical engineering. I graduated from the University of Aarhus School of Medicine in Denmark in November 2008 with a Ph.D. (doctorate) in medicine. The focus of my Ph.D. research was to create measurement equipment for physiological/biomedical monitoring. In March 2015, I was granted a Dr.Med (doctorate) in medical science from the University of Aarhus School of Medicine in Denmark. The Dr.Med degree is a higher-level doctorate that is awarded at certain universities in Northern Europe in the field of medicine. The Dr.Med degree is awarded after a candidate's research and publications have proven to make a *significant* difference in the advancement of science. Historically, the Dr.Med degree has been given only to medical doctors, with rare exceptions. I was the third engineer in Denmark since 1479 to receive this degree.

6. I am currently employed as an Associate Professor of Biomedical Engineering at the University of Arkansas in Fayetteville, Arkansas. I have held this position since August 2015. I am also a Scholar of the Arkansas Research Alliance, a public-private partnership dedicated to elevating a fundamental belief that "research matters." This Alliance provides financial support for my research at the university in the field of increasing the understanding of the mechanics of cardiovascular disease and intervention while creating solutions and dedicated devices. I also hold an Adjunct Associate Professorship at the University Hospital of Aarhus in Denmark where my main role has been to teach biomedical engineering to MD/PhD students and advise on projects where measurements and signal optimization is in focus. I have held that position since July 2009.

7. Over the past two decades, I have developed and taught numerous courses at both the undergraduate and graduate level, as well as in medical schools, in the field of biomedical engineering, including medical device development, sensor design, measurements on biological and living systems, instrumentation, signal analysis, and presentation. As set forth on my CV (Appendix A hereto), I have published numerous articles relating to aspects of device interactions with living tissues, including device design, performance and specific features that allow these devices to function optimally. Amongst my publications are 118 papers and articles, 164 conference and seminar presentations, and 11 books/book

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