

UNITED STATES PATENT AND TRADEMARK OFFICE

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**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

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**EDWARDS LIFESCIENCES CORPORATION,**  
Petitioners

v.

**BOSTON SCIENTIFIC SCIMED, INC.,**  
Patent Owner

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Case No. IPR2017-01301  
Patent 6,915,560

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**DECLARATION OF NEIL SHEEHAN IN SUPPORT OF PETITION FOR  
INTER PARTES REVIEW OF U.S. PATENT NO. 6,915,560**

**EDWARDS LIFESCIENCES EX. 1205**

Edwards Lifesciences v. Boston Scientific Scimed  
U.S. Patent No. 6,915,560

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## I. INTRODUCTION

### A. Background and Qualifications

1. My name is Neil Sheehan. I am currently self-employed as a consulting engineer in the field of medical products. A copy of my *Curriculum Vitae*, which includes, among other things, my academic credentials and my employment history, is attached to the Petition as Exhibit 1206.

2. My field of expertise in this matter is medical products or devices (both reusable and disposable), including mechanisms, tooling, mechanical assemblies and components. This Declaration is based upon my own personal knowledge, skill, experience, training and education in my field of expertise, and upon information I have reviewed in connection with my retention in this matter.

3. I have worked extensively in the areas of catheters, balloons, plastic and metallic materials (including nitinol), inferior vena cava filters, vascular access, syringes, pumps, tubing, bonding methods and the like. Over the course of my many years in the medical device industry, I have learned much about stents and their typical balloon deployment systems. In fact, I have two stents in my right coronary artery owing to a congenital, tortuous path configuration.

4. I received my Bachelor of Science in Mechanical Engineering, *summa cum laude*, from Villanova University in 1968. I was the recipient of their 1993 Alumni Achievement Award for my work in the medical device field. I took

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