

**UNITED STATES PATENT AND TRADEMARK OFFICE**

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**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

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MYLAN PHARMACEUTICALS INC.,  
WOCKHARDT BIO AG, TEVA PHARMACEUTICALS USA, INC.  
and AUROBINDO PHARMA U.S.A. INC.,  
Petitioners,

v.

ASTRAZENECA AB,  
Patent Owner.

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Case No. IPR2015-01340  
Patent No. RE44,186 E<sup>1</sup>

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**DECLARATION OF ROBERT J. TANENBERG, M.D., FACP**

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<sup>1</sup> Petitioners Wockhardt (IPR2016-01209), Teva (IPR2016-01122), and  
Aurobindo (IPR2016-01117) have been joined as Petitioners to this proceeding.

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I, Robert J. Tanenberg, declare as follows:

**I. QUALIFICATIONS**

1. My name is Robert J. Tanenberg. I have held my current position as a Professor of Medicine at East Carolina University in Greenville, North Carolina since 1998. I also serve as Program Director for the Diabetes Clinical Fellowship and as Medical Director for the Diabetes and Obesity Institute, both at East Carolina University, and as Director of the Inpatient Diabetes Programs at Vidant Medical Center (formerly Pitt County Memorial Hospital) in Greenville, North Carolina.

2. Among other things, I am professionally certified by the American Board of Internal Medicine, I am a certified diplomat of the American Board of Endocrinology & Metabolism, and I have been repeatedly recognized as a provider for the delivery of quality diabetes care by the American Diabetes Association. I was elected as a fellow of the American College of Physicians in 1982. I have been treating patients with diabetes for more than forty years.

3. After receiving my M.D. from the University of Illinois, I completed a medical internship at Northwestern University Hospital in Chicago, Illinois, and a residency in internal medicine at the Mayo Graduate School of Medicine in Rochester, Minnesota. I then completed a fellowship in endocrinology and

metabolism at the University of Minnesota Hospital, followed by a fellowship in diabetes and metabolism at the Joslin Diabetes Center in Boston, Massachusetts.

4. I served as a Major in the United States Air Force. I was stationed at the Malcolm Grow Medical Center at Andrews Air Force Base, where I served as Chief of the Section of Endocrinology. From 1977-1979, I served as an Instructor of Medicine and then as Assistant Professor of Medicine in the Uniformed Services Division at the University of Health Sciences in Bethesda, Maryland. From 1979-1984, I served first as the Director of the Diabetes Clinic, and then the Chief of the Metabolic and Nutritional Service unit, of the U.S. Soldiers and Airmen's Home Health Care Facility in Washington, D.C.

5. From 1980-1998, I also worked in various capacities at Georgetown University Hospital and Georgetown University School of Medicine in Washington, D.C. My titles there included Clinical Assistant Professor of Medicine, Clinical Associate Professor of Medicine, Medical Director of the Diabetes Treatment Center, and Attending Physician.

6. From 1988-1998, I also filled various roles at the Washington Hospital Center in Washington, D.C. These roles included serving as Acting Chief of Endocrinology, as Medical Director of the Diabetes Treatment Center, and as a Senior Attending Physician.

7. In addition to the forgoing experience, I spent nearly twenty years leading a private practice group of endocrine and diabetes specialists in the Washington, D.C. area. I continue to treat diabetes patients today through my clinical practice at East Carolina University and through the Inpatient Diabetes Programs at Vidant Medical Center (formerly Pitt County Memorial Hospital).

8. During my career I have authored or co-authored more than 100 articles and abstracts, and have given hundreds of invited lectures and presentations on the management of diabetes and diabetic complications. I am also significantly involved in various professional organizations. For example, I have served on the Board of Directors and on various committees of the D.C. Area Affiliate of the American Diabetes Association. I have also served as an editor or advisory board member for various publications of the American Diabetes Association and have provided peer-review for articles in various journals. I have also participated as an investigator in many clinical trials. I direct the East Carolina University-Diabetes Research Center for Clinical Trials where I have been a principal investigator for over 60 diabetes research studies. These include clinical trials of oral hypoglycemic and injectable agents and insulins for Type 1 and Type 2 diabetes.

9. My CV, attached as EX1042, provides a summary of my education, experience, publications, and other qualifications.

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