

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

ARGENTUM PHARMACEUTICALS LLC

Petitioner v.

ICOS CORPORATION,

Patent Owner

U.S. Patent No. 6,943,166 B1

Inter Partes Review No. IPR2017-01762

DECLARATION OF DR. CULLEY C. CARSON III, M.D.

I, Culley C. Carson III, do declare as follows:

1. I am over the age of eighteen (18) and otherwise competent to make this declaration.

2. My name is Culley Carson. I am currently the John Sloan Rhodes and John Flint Rhodes Distinguished Professor of Urology in the Department of Urology at the UNC School of Medicine. I understand that my declaration is being submitted in connection with a Petition for *Inter Partes* Review of U.S. Patent No. 6,943,166 (the “166 patent”) (Ex. 1001).

3. I received a M.D. from George Washington University School of Medicine in Washington, D.C. I was a Surgical Intern and Surgical Resident at the Dartmouth-Hitchcock Medical Center in Hanover, New Hampshire. I completed my urology residency at the Mayo Clinic in Rochester, MN. Following residency at the Mayo Clinic, I joined the faculty at Duke University Medical Center, advancing from Assistant Professor to Professor of Urology. I served as Chief of the UNC Division of Urology from 1993 to 2010.

4. I have over 20 years of experience as an academic urologist and as a practicing urologist in the field of clinical urology that includes areas such as male sexual and erectile dysfunction, Peyronie’s Disease, and penile prostheses. I have published more than two hundred peer review publications and edited several textbooks.

5. A more complete recitation of my professional experience including a list of my journal publications, patents, conference proceedings, book authorship, and committee memberships may be found in my Curriculum Vitae and Publication List, which are attached to my declaration as Appendix A.

6. I have been retained in this matter by Argentum Pharmaceuticals LLC (“Petitioner”) as a technical expert to provide analysis and opinions regarding the ’166 patent. I am being compensated for my work in this matter at my usual and customary rate of \$700 per hour. I have no personal or financial stake or interest in the outcome of the Petition for *Inter Partes* Review or any related action. My compensation in no way depends upon my testimony or the outcome of the Petition for *Inter Partes* Review.

7. I have been advised that Laurence & Phillips IP Law LLP represents Argentum Pharmaceuticals LLC (collectively, “Argentum” or “Petitioner”) in this matter and that ICOS Corporation (“Patent Owner”) owns the ’166 patent. I have no personal or financial stake or interest in Argentum, ICOS Corporation, or the ’166 patent.

8. I understand that the ’166 patent is currently subject to a previous IPR, *Mylan Pharmaceuticals Inc. v. ICOS Corporation*, IPR2017-00323 (“Mylan IPR”). I understand that the Mylan IPR has been instituted as of June 12, 2017 and that Petitioner Argentum seeks to become a party to the Mylan IPR.

9. In the context of my retention, I have reviewed the Declarations of Dr. George Grass, Pharm.D., Ph.D. and Dr. Muta M. Issa, M.D., M.B.A. IPR2017-00323, Exs. 1002, 1004. Upon careful review and analysis of the two declarations, I agree with their findings and conclusions in full and hereby incorporate those findings and conclusions.

10. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are, to the best of my knowledge, believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code.

Dated: July 12, 2017

A handwritten signature in black ink, appearing to read 'Culley C. Carson III, M.D.', written in a cursive style.

Dr. Culley C. Carson III, M.D.

APPENDIX A

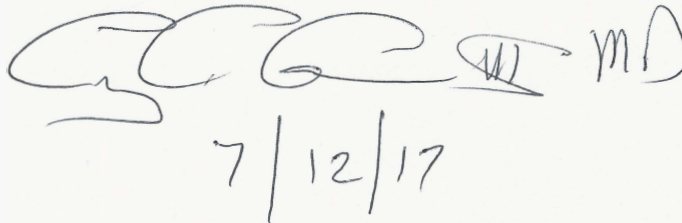
CURRICULUM VITAE

CULLEY C. CARSON III, MD

Personal Information

Home Address

10387 Holt
Chapel Hill NC 27517
919-967-3229



Education

- 10/2002 Management Program for Chiefs of Clinical Services
Harvard School of Public Health
- 7/75-6/78 Urology Fellow
Mayo Clinic, Rochester, Minnesota
- 7/72-6/73 Surgical Resident
Dartmouth-Hitchcock Medical Center, Hanover, New Hampshire
- 7/71-6/72 Surgical Intern
Dartmouth-Hitchcock Medical Center, Hanover, New Hampshire
- 5/71 MD, George Washington University School of Medicine, Washington, DC
- 5/67 BS, Trinity College, Hartford Connecticut

Licensure and Certification

- Urology Lasers, 1986
- Extracorporeal Shock Wave Lithotripsy, 1985
- American Board of Urology, 1980
- National Board of Medical Examiners, 1972
- North Carolina Medical Board License

Professional Experience

- 7/01 – present John Sloan Rhodes and John Flint Rhodes Distinguished Professor
of Urology
- 7/93 – 12/10 Chief, Division of Urology, University of North Carolina at Chapel
Hill
- 7/93 – 12/10 Program Director, Division of Urology, University of North Carolina
at Chapel Hill

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