



Clemson University Research Foundation

US Patents Issued in 2015

*denotes Clemson University inventor

Patent No.	Title	Inventors
8,932,877	Fluorescent Carbon Nanoparticles	Ya-Ping Sun*
8,934,748	Optical Fiber Systems and Methods	John Ballato* Robert Rice Hagop Injeyan Hiroshi Komine Michael G. Wickham
8,981,305	Index of Refraction Matched Nanoparticles and Methods of Use	Luiz Jacobsohn* Jihun Choi Paul Holloway Teng-Kuan Tseng
9,005,289	Tissue Engineered Nucleus Pulposus Replacement	Jeremy J. Mercuri* Dan T. Simionescu*
9,014,228	Hydrothermal Growth of Heterogeneous Single Crystals for Solid State Laser Applications	Joseph W. Kolis* John Ballato* Colin D. McMillen* Matthew Mann
9,033,159	Membrane Surface Modification	Scott M. Husson* Bharat V. Bhut
9,034,354	Novel Bacteriostatic and Anti-Collagenolytic Dental Materials Through the Incorporation of Polyacrylic Acid Modified Cul Nanoparticles	George Chumanov* Anthony S. Mennito Walter G. Renne Michael G. Schmidt Jompobe Vuthiganon
9,069,117	High Purity Crystalline Core Optical Fibers and Formation Methods Thereof	John Ballato* Robert Rice
9,067,273	High Density Atmospheric Plasma Jet Devices by Jet-to-Jet Interaction	Sung-O Kim Jae-Young Kim
9,072,761	Methods and Compositions Related to Viral Inhibition	Dev P. Arya* Nirhar Ranjan Sunil Kumar
9,077,037	Electrode and Electrolyte Materials for Batteries	Shiou-Jyh Hwu* Gregory A. Becht
9,072,606	Lockable Knee Implants and Related Methods	John DesJardins* Eric Lucas Kim Chillag Frank Voss
9,139,467	Low Brillouin Scattering Optical Fibers and Formulation Methods Thereof	John Ballato* Peter Dragic
9,146,345	High Power Optical Fibers	Liang Dong* Kunimasa Saitoh
9,179,865	Luminescent Tension-Indication Orthopedic Strain Gauges for Non-Invasive Measurements Through Tissue	Jeffrey Anker* Melissa M. Rogalski* Dakota Anderson Jonathan Heath
9,183,354	Systems and Methods for Image Guided Surgery	David Kwartowitz* Fuad Mefleh Hamilton Baker