

2010 CREATIVE AWARDS RECEPTION

Inventors: 23

Inventions: 21

INVENTOR	PATENT/COPYRIGHT	DEPARTMENT
Laurence A. Cole, Ph.D.	Method and Apparatus for Predicting Pregnancy Outcome	Departments of Obstetrics & Gynecology and Biochemistry & Molecular Biology
Laurence A. Cole, Ph.D.	A Rapid Method of Diagnosing a Normal Pregnancy with High Accuracy	Departments of Obstetrics & Gynecology and Biochemistry & Molecular Biology
Walter Kisiel, Ph.D.	Human Kunitz-type Inhibitor with Enhanced Antifibrinolytic Activity	Departments of Pathology and Biochemistry and Molecular Biology
Hitendra S. Chand, Ph.D.	Human Kunitz-type Inhibitor with Enhanced Antifibrinolytic Activity	Departments of Pathology and Biochemistry and Molecular Biology
Sang M. Han, Ph.D.	Threading-Dislocation-Free Nanoheteroepitaxy of Ge on Si Using Self-Directed Touch-Down of Ge Through a Thin SiO ₂ Layer	Departments of Chemical & Nuclear Engineering and Electrical & Computer Engineering
Luke F. Lester, Ph.D.	Metamorphic Buffer on Small Lattice Constant Substrates	Department of Electrical & Computer Engineering and Center for High Technology Materials
L. Ralph Dawson, Ph.D.	Metamorphic Buffer on Small Lattice Constant Substrates	Department of Electrical & Computer Engineering and Center for High Technology Materials
L. Ralph Dawson, Ph.D.	Semiconductor Conductive Layers	Department of Electrical & Computer Engineering and Center for High Technology Materials
Sanjay Krishna, Ph.D.	Semiconductor Conductive Layers	Department of Electrical & Computer Engineering and Center for High Technology Materials
Sanjay Krishna, Ph.D.	High Performance Hyperspectral Detectors Using Photon Controlling Cavities	Department of Electrical & Computer Engineering and Center for High Technology Materials
Sanjay Krishna, Ph.D.	Spectral Element Eigensolver for Inhomogeneous Media	Department of Electrical & Computer Engineering and Center for High Technology Materials

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Evangelos A. Coutsias, Ph.D.	Spectral Element Eigensolver for Inhomogeneous Media	Department of Mathematics & Statistics
Gregory Von Winckel, Ph.D.	Spectral Element Eigensolver for Inhomogeneous Media	Departments of Mathematics & Statistics and Electrical & Computer Engineering
Jean-Claude Diels, Ph.D.	Method and Apparatus for Femtosecond Communication	Department of Physics & Astronomy and Center for High Technology Materials
Jean-Claude Diels, Ph.D.	Auto-Stabilization of Lasers by Means of Resonant Structures	Department of Physics & Astronomy and Center for High Technology Materials
Ladan Arissian, Ph.D.	Auto-Stabilization of Lasers by Means of Resonant Structures	Department of Electrical & Computer Engineering, the Center for High Technology Materials and the UNM Cancer Center
Christos G. Christodoulou, Ph.D.	Reconfigurable Multifrequency Antenna with RF-MEMS Switches	Department of Electrical & Computer Engineering,
Menake E. Piyasena, Ph.D.	Detection Systems Utilizing Supported Lipid Bilayers	Center for Biomedical Engineering
Stephen D. Hersee, Ph.D.	Process for Controlling Indium Clustering in InGaN LEDES Using Strain Arrays	Department of Electrical & Computer Engineering and Center for High Technology Materials
Stephen D. Hersee, Ph.D.	Pulsed Growth of Catalyst-Free Growth of GaN Nanowires and Application in Group III Nitride Semiconductor Bulk Material	Department of Electrical & Computer Engineering and Center for High Technology Materials
Mansoor Sheik-Bahae, Ph.D.	Laser Amplifier and Method of Making the Same	Department of Physics & Astronomy
Plamen B. Atanassov, Ph.D.	Self Supporting Structurally Non-Platinum Electrocatalyst for Oxygen Reduction in Fuel Cells	Department of Chemical & Nuclear Engineering and Center for Emerging Energy Technologies,
Plamen B. Atanassov, Ph.D.	Unsupported Fuel Cell Electrocatalyst and Method for Manufacturing Same	Department of Chemical & Nuclear Engineering and Center for Emerging Energy Technologies,
Abhaya K. Datye, Ph.D.	Unsupported Fuel Cell Electrocatalyst and Method for Manufacturing Same	Department of Chemical & Nuclear Engineering

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Steven R. J. Brueck, Ph.D.	Tunable Infrared Lasers for Gas Phase Spectroscopy	Departments of Electrical & Computer Engineering, Physics & Astronomy, and Center for High Technology Materials
Claudia C. Luhrs, Ph.D.	Metal Oxide Nanoparticles and Process for Producing the Same	Department of Mechanical Engineering
Jonathan Phillips, Ph.D.	Metal Oxide Nanoparticles and Process for Producing the Same	Department of Mechanical Engineering and Los Alamos National Laboratories
Daniel Derksen, M.D.	Locum Tenens Program Software	Department of Family & Community Medicine and Robert Wood Johnson Foundation Center for Health Policy
Gregory Starr, Ph.D.	Control of WAM Research Robot Using MATLAB	Department of Mechanical Engineering
Mr. Matthew Courtney	Control of WAM Research Robot Using MATLAB	Department of Mechanical Engineering