



University of Oklahoma

OFFICE OF TECHNOLOGY DEVELOPMENT

<i>Inventor Last</i>	<i>Inventor First</i>	<i>Field</i>	<i>Summary</i>
Abousleiman	Younane	Geology	Inclined Direct Shear Testing Device
Acosta	Diego	Construction	Cement alternative
Adamson	Philip	Medicine	Relieve cardiovascular pain
Agrawal	Ajay	Oil and gas production	Measuring trapped air in mixtures
Aktas	Levent	Nanotechnology	Making composites by deposition of nanometer size materials
Allen	Lloyd	Medicine	Drug delivery system
Al-Tahini	Ashraf	Geology	Inclined Direct Shear Testing Device
Altan	M. Cengiz	Nanotechnology	Making composites by deposition of nanometer size materials
Al-Ubaidi	Muayyad	Medicine	Cell research
Alvarez	Walter	Nanotechnology	Single wall nanotubes
Anant	Shrikant	Medicine	Colon cancer treatment
Antonio	John	Computer	Optimizing programs on reconfigurable computers
Ardell	Jeffrey	Medicine	Relieve cardiovascular pain
Armour	John	Medicine	Relieve cardiovascular pain
Ashby	Michael	Medicine	Inorganic antimicrobials/antioxidants
Bader	Ted	Medicine	Statins for viral remission
Bagajewicz	Miguel	Energy	Increased crude oil yield
Ballard	Jimmy	Medicine	Treating toxin based diseases
Balzano	Leandro	Nanotechnology	Single wall nanotubes
Banken	Mary	Geology	Remote geophysical imaging
Barraza	Harry	Nanotechnology	Single wall nanotubes
Bassett	Gene	Weather	Forecasting
Beasley	William	Weather	Storm/lightning detection
Benbrook	Doris	Medicine	Kidney disease treatment
Bergey	Karl	Medicine	Obtaining biological samples
Bert	Charles	Mechanics	Mechanical power transmission
Biggs	Aaron	Computer	Student advisement interface
Blackburn	Strdrovia	Weather	Graphical weather displays
Blick	Kenneth	Chemistry	Cleaning chemical analyzers
Brackett	Daniel	Medicine	Pancreatic cancer
Brewster	Keith	Weather	Forecasting
Brogden	Jeffrey	Weather	Forecasting
Broyles	Robert	Medicine	Treatment for diseases
Brumley	John	Geology	Inclined Direct Shear Testing Device
Bryant	Richard	Data management	Database software development
Buchli	Rico	Medicine	DNA research
Burba	Christopher	Energy	Battery design
Caldwell	Susan	Music	Historical video
Canfield	William	Medicine	Genetic disease research/biological screening
Carpenter	Richard	Weather	Weather forecasting
Carr	Daniel	Medicine	Eye treatment
Carr	Frederick	Weather	Weather forecasting
Cate	Steven	Medicine	DNA research
Chang	Don Eun	Medicine	Microarray database

Chang	Kuang-Hua	Engineering	Mechanical part design
Chappell	Cherie	Medicine	Hair as a biological sample
Chen	Junping	Medicine	Retinal disease prevention
Cheng	Earl	Medicine	Urinary bladder regeneration
Cheung	John	Medicine	Pancreatic cancer blood test
Cho	Moonjae	Medicine	Immune system research
Chretien	Pierre	Medicine	Sequence based typing
Christiansen	Victoria	Medicine	Inhibiting blood clot formation
Chu	Robert	Imaging technology	Vacuum assistance in reflective imaging
Chung	Kyung	Medicine	Human anatomy videos
Chungchamroenkit	Pisan	Nanotechnology	Production of single wall nanotubes
Cichewicz	Robert	Medicine	Faster microbial sample screening
Civan	Faruk	Energy	Increasing life of oil reservoirs
Commuri	Sesh	Transportation	Asphalt compaction analyzer
Conway	Tyrrell	Medicine	DNA microarray database
Copeland	Kenneth	Medicine	Type II diabetes screening
Cowan	Rick	Medicine	Tissue regeneration
Craddock	Randall (Jim)	Data management	Database software development
Crawford	Kenneth	Weather	Graphical weather displays
Cummings	Richard	Medicine	Biochemical chromatography
Cunningham	Madeleine	Medicine	Preventing heart disease
Dahshan	Mostafa	Data management	Refined Assured Forwarding Framework
Davis	Gregory	Medicine	Production of proteins
DeAngelis	Paul	Medicine	Chemical synthesis/genetics
Debose-Boyd	Russell	Medicine	Biochemical chromatography
DeBrunner	Victor	Acoustics	Active noise control
DeBrunner	Linda	Acoustics	Active noise control
DeGiusti	Kevin	Medicine	Anthrax therapeutic
DeJongste	Michael	Medicine	Relieve cardiovascular pain
DeKock	Brandon	Electrical engineering	Passive temperature control
Ding	Wei-Qun	Medicine	Anti-cancer agents
Dittmer	Dirk	Medicine	West Nile vaccine
Droegemeier	Kelvin	Weather	Doppler radar systems
Duncan	Kathleen	Energy	Biosurfactants in subsurface formations
Duthie	Scott	Medicine	Biological sequence typing
Dyer	David	Medicine	Gene identification
Elberg	Gerard	Medicine	Kidney disease treatment
Ellexson	Mary	Medicine	Biological sequence typing
Elmore	Kimberly	Weather	Weather forecasting/detection
Enrico	Eugene	Music	Historical video
Fagan	John	Aeronautics	Aircraft landing system
Fleming	Robert	Mechanics	Safer high-lift device
Foreman	Robert	Medicine	Cardio protection/regulation of heart rhythms
Francel	Paul	Medicine	Surgical imaging for spinal cord
Fransen	Stephen	Medicine	DNA research
Frech	Roger	Energy	Rechargeable energy cells
Fu	Samuel	Textbooks	Electronic living textbooks
Fuller	Bryan	Medicine	Skin pigmentation enhancement
Fuller	Justin	Acoustics	Active noise control
Gala	Mrinal	Chemistry	Surfactant-only microemulsions
Gan	Rong	Medicine	Implantable hearing aid

Gao	Jidong	Weather	Doppler radar systems
Garrett	Kennon	Medicine	Spinal cord activation for cardio protection
Gilberson	Christopher	Medicine	DNA research
Gilliland	Kirby	Neuropsychology	Automated neuropsychological assessment
Glatzhofer	Daniel	Energy	Rechargeable energy cells
Gorbsky	Gary	Medicine	Cancer treatment
Grady	Brian	Chemistry	Material science/polymer strengthening
Grissom	Joe	Medicine	DNA microarray database
Guruswamy	Suresh	Medicine	Kidney disease treatment
Haddock	James	Dentistry	Periodontal vaccine for canines
Halterman	Ronald	Energy	Thermal energy development
Han	Jilin	Medicine	DNA microarray database
Han	Zhiyong	Medicine	colon cancer treatment
Hanas	Jay	Medicine	DNA altering substances/blood test for pancreatic cancer
Hanigan	Marie	Medicine	Liver screening/treatment
Hanna	Michelle	Medicine	DNA research
Harley	John	Medicine	Animal lupus model
Harris	Alan	Communications	Optical communications
Harrison	Roger	Nanotechnology	Single wall nanotube for cancer prevention
Harty	Richard	Medicine	Targeting cancer cells/treating inflammatory bowel disease
Harwell	Jeffrey	Chemistry	Natural gas storage/carbon nanotubes/waste treatment
Hassell	John	Communications	Wireless communication/cattle tracking
Herrera	Jose	Nanotechnology	Production of single wall nanotubes
Hickman	Heather	Medicine	DNA research
Higginbotham	Bruce	Medicine	Wearable medical scanning system
Hildebrand	Lloyd	Medicine	synthetic glycosulfopeptides as inhibitors of selectins
Hildebrand	William	Medicine	DNA research
Hoang	Son	Geology	Inclined Direct Shear Testing Device
Hocker	James	Medicine	Blood test for pancreatic cancer
Hondl	Kurt	Weather	Weather forecasting
Hopper	Gene	Medicine	DNA research
Hou	Dingchen	Weather	Weather forecasting
Houchen	Courtney	Medicine	colon cancer treatment
Hougen	Dean	Robotics	Robotics
Howard	Ken	Weather	Weather forecasting
Huo	Zonghui	Weather	Weather forecasting
Hurst	Robert	Medicine	Cancer treatment
Huynh	John	Data management	Database software development
Ihnat	Michael	Medicine	Cancer treatment
Illston	Bradley	Weather	Software for weather forecasting contents
Jackman	Warren	Medicine	Heart abnormality treatments
Jackson	Kenneth	Medicine	Inhibiting blood clot formation
Jacobs	Gary	Nanotechnology	Production of single wall nanotubes
Jahn	David	Weather	Weather forecasting
Ji	Schuncheng	Energy	Increased crude oil yield
Jing	Wei	Medicine	Chemical synthesis/genetics
Johnson	Jennifer	Medicine	Virus prevention analysis
Johnson	Zion	Mental disabilities	Job identifier for mentally disabled
Jongpatiwut	Siriporn	Nanotechnology	Dispersible single wall nanotube paste
Ju	Tongzhong	Medicine	Genetic disease research/biological screening
Kapoor	Chetan	Computer	Smart wireless sensing

Kartalopoulos	Stamatios	Communications	Optical communications
Kaul	Anil	Medicine	Screening protein levels
Kawar	Ziad	Medicine	Biological screening (glycan analysis)
Keddissi	Jean	Medicine	Preventing lung disease
Keith	Ross	Weather	Statistical probability aerodrome weather forecasts
Kem	David	Medicine	Heart disease treatment
Kemp	Eric	Weather	Weather forecasting
Kenner	Carole	Medicine	Web-based curriculum for health care professionals
Kerr	Charles	Weather	Weather forecasting
Khoury	Charbel	Civil/Environmental Eng	New construction material
Khoury	Naji	Civil/Environmental Eng	New construction material
Kinasewitz	Gary	Medicine	Preventing lung disease
King	Timothy	Transportation	Highway collision avoidance system
Kitiyanan	Boonyarach	Nanotechnology	Production of single wall nanotubes
Kloesel	Kevin	Weather	Graphical weather displays
Knapp	Roy	Energy	Biosurfactants in subsurface formations
Knox	Robert	Pollution prevention	Aquifer cleanup/purification
Kropp	Bradley	Medicine	Tissue regeneration
Kulvatunyou	Narong	Medicine	Modified nasogastric feeding tube
Kumari	Kshama	Medicine	Gene therapy/research
Kyker	Kimberley	Medicine	Cancer treatment
Lakshmanan	V	Weather	Weather forecasting
Lane	Thomas	Medicine	Eye treatment
Lang	Mark	Medicine/Immunology	Immune tolerance and antibody monitoring
Langer	Marybeth	Medicine	DNA microarray database
Langston	Carrie	Weather	4D weather analysis software
Lay	Ernest	Medicine	Neurosurgery positioning aid
Lazarus	Steven	Weather	Weather forecasting
Leach	J. Kent	Medicine	Drug delivery system
Lee	Kyung	Medicine	Inhibiting blood clot formation
Levine	Martin	Dentistry	Tooth decay prevention
Levit	Jason	Weather	Weather forecasting
Leyton	Stephen	Weather	Weather forecasting
Li	Guangpu	Medicine	Cancer therapy
Lilly	Douglas	Weather	Weather forecasting
Lin	Hsueh-Kung	Medicine	Tissue regeneration
Lind	Stuart	Medicine	Anti-cancer agents
Linderoth	Bengt	Medicine	Relieve cardiovascular pain
Liu	Hong	Medicine	X-ray imaging techniques
Liu	Yuhe	Weather	Weather forecasting
Lobban	Lance	Pollution reduction	Removing air contaminants
Lolli	Giulio	Nanotechnology	Preparation of nanotubes
Loving	Gary	Medical research	Online case study template
Lowther	David	Geology	Remote geophysical imaging
Luis	Angela	Medicine	DNA research
Lyons	Timothy	Medicine	Gene expression related to lipoproteins
Ma	Jian-xing	Medicine	Vascular leakage prevention
MacDonald	Gregory	Communications	Fiber optic cable security
Mallinson	Richard	Chemistry	Natural gas storage
Mankin	Charles	Thermodynamics	Geothermal energy
Marlow	Jered	Communications	Wireless network for disaster areas

Marquez	Maricel	Mechanics	Friction reduction in fluid flow
Martens	Mark	Medicine	Screening protein levels
Martin	James	Mental disabilities	Job identifier for mentally disabled
Martin	Rex	Medicine	Human anatomy videos
Martyn	David	Thermodynamics	Thermal energy development
Matarredona	Olga	Nanotechnology	Dispersible single wall nanotube paste
Matsumoto	Rae	Neuroscience	Neuroscience research
McCann	Patrick	Medicine	Automatic asthma diagnosis
McEver	Rodger	Medicine	Biochemical chromatography
McFetridge	Peter	Medicine	Heart bypass vessels
McGinnis	James	Medicine	Retinal disease prevention
McInerney	Michael	Energy	Biosurfactants in subsurface formations
McKee	Patrick	Medicine	Inhibiting blood clot formation
McNeill	Kayla	Medicine	Human anatomy Web site
McPherson	Renee	Weather	Graphical weather displays
Melton	Jody	Medicine	Potential vaccine development
Methachan	Boriphat	Fabrics	Hydrophobic cotton fabric
Miller	David	Electrical engineering	Passive temperature control
Miller	Gerald	Civil/Environmental Eng	New construction material
Miller	Kenneth	Medicine	Relief of pain via peripheral neurotransmitter regulation
Mold	James	Medicine	PDA diabetes tracker
Mondalek	Fadee	Medicine	Tissue regeneration
Moore	Kevin	Medicine	Cell biology
Morris	Dale	Weather	Graphical weather displays
Muraleetharan	Kanthisamy	Geology	Seismic wave technology
Naash	Muna	Cell Biology	Nanoparticles for ocular disease
Nagykaldi	Zsolt	Medicine	PDA diabetes tracker
Nakagawa	Hiroshi	Medicine	Heart arrhythmia treatments
Neeman	Henry	Weather	Weather forecasting
Nelson	Troy	Medicine	Apparatus and means stereotactic localization spinal segments
Newman	Gerard	Nanotechnology	Carbon nanotubes
Ngyuen	Vinh	Geology	Inclined Direct Shear Testing Device
Nyame	Anthony	Medicine	Biochemical chromatography
O'Donoghue	Daniel	Medicine	Human anatomy videos
Olvey	Gerry	Mental disabilities	Job identifier for mentally disabled
O'Neil	Kathleen	Medicine	Antibiotics
O' Rear	Edgar	Medicine	Drug delivery system
Pantazis	Panyotis	Medicine	colon cancer treatment
Papaconstantinou	John	Medicine	Cancer research
Patten	William	Vibration dampening	Semi-active vibration dampening
Patterson	James	Home energy	Active tinting windows
Patterson	Eugene	Medicine	Atrial fibrillation prevention
Pei	Jin-Song	Computer	Smart wireless sensing
Pendergraft	Rick	Aeronautics	Aircraft landing system
Pennington	Larry	Medicine/Surgery	Immune tolerance and antibody monitoring
Pento	J. Thomas	Medicine	Treating/preventing cancer
Pereira	H. Anne	Medicine	Antimicrobial peptides
Petrich	Erick	Computers	3-D displays
Phillips	Mark	Geology	Remote geophysical imaging
Ping	Tsi	Waste management	Waste treatment
Po	Sunny	Medicine	Atrial fibrillation prevention

Pompeo	Francisco	Nanotechnology	Single wall nanotubes
Pongprayoon	Thirawudh	Nanotechnology	Hydrophobic cotton fabric
Postier	Russell	Medicine	Pancreatic cancer
Prilliman	Kiley	Medicine	HLA protein production
Qu	Yingzhen	Communications	Telecommunications network
Queimado	Maria De Lurdes	Medicine	DNA damage detection
Rabin	Robert	Weather	Weather forecasting
Radhakrishnan	Sridhar	Communications	Wireless GPS network
Ravi	Nisha	Energy	Biosurfactants in subsurface formations
Refai	Hakki	Communications	Wireless communication/ 3-D displays
Refai	Hazem	Communications	Communications for disaster areas/highway collision avoidance
Reis	Antonio	Medicine	DNA damage detection
Ren	Jiayuan	Medicine	Treating inflammatory bowel disease
Rennaker	Robert	Bioengineering	Brain machine interface
Resasco	Daniel	Nanotechnology	Single wall nanotubes
Rice	Charles	Medicine	Molecular analysis
Saban	Ricardo	Medicine	Gene expression in cells
Sabatini	David	Waste management	Waste treatment
Sachdev	Goverdhan	Medicine	Biological screening (glycan analysis)
Sakalian	Michael	Medicine	Kidney disease treatment
Sathye	Adwait	Weather	Weather forecasting
Scharfenberg	Kevin	Weather	Weather forecasting
Schauerte	Patrick	Medicine	Atrial fibrillation prevention
Scherlag	Benjamin	Medicine	Atrial fibrillation prevention
Scherlag	Michael	Medicine	Atrial fibrillation prevention
Schlegel	Robert	Neuropsychology	Automated Neuropsychological Assessment Metrics
Sezate	Steve	Medicine	Retinal disease prevention
Shambaugh	Robert	Nanotechnology	Carbon nanotubes
Shapiro	Alan	Weather	Weather forecasting
Shaw	William	Chemistry	Surfactant-only microemulsions
Shi	Zhisheng	Nanotechnology	Nanotechnology for semiconductors/ infrared lasers
Shiau	Bor Jier	Waste management	Waste treatment
Sierra	Andres	Communications	Optical communications
Simpson	Darrell	Energy	Biosurfactants in subsurface formations
Sismey	Alison	Medicine	Chemical synthesis/genetics
Siow	Poh Hiong	Medical research	Online case study template
Skamarock	Bill	Weather	Weather forecasting
Sluss	James	Communications	Wireless communication/fiber optic cable security/3-D displays
Smeal	David	Music	Historical video
Smith	Travis	Weather	Weather forecasting
Snow	John	Weather	Weather forecasting
Sonad	Jagadeesh	Medicine	Wearable medical scanning system
Song	Lulin	Weather	Weather forecasting
Spyres	Lea	Medicine	Treating toxin based diseases
Stanley	Thomas	Weather	Weather forecasting
Starling	Kenneth	Chemistry	Natural gas storage
Starly	Binil	Industrial Engineering	Nutrient Delivery Network
Stray	Stephen	Medicine	Virus prevention analysis
Stull	Terrence	Medicine	Potential vaccine development
Stumpf	Gregory	Weather	Weather forecasting
Sutton	William	Chemistry	Gas/liquids storage

Tachwali	Yahia	Electrical engineering	Wireless sensor-based HVAC control system
Tan	Yongqiang	Nanotechnology	Preparation of nanotubes
Tanner	Ralph	Chemistry	Carbon monoxide conversion
Taylor	Rupert	Medicine	DNA research
Tian	Runying	Medicine	DNA research
Toomey	Robert	Weather	Weather forecasting
Traxler	Matthew	Medicine	DNA microarray database
Trytten	Deborah	Textbooks	Electronic living textbooks
Tull	Monte	Communications	3-D displays/reconfigurable microprocessors
Turman	Martin	Medicine	Kidney disease treatment
Turner	Sean	Medicine	DNA research
Tweten	Rodney	Medicine	Potential vaccine development
VanGundy	Rod	Medicine	DNA research
Vaughan	Thomas	Weather	Weather forecasting
Veale	Brian	Computer	Reconfigurable microprocessors
Verma	Pramode	Communications	Telecommunications network/3-D displays
Vongthavaravat	Verapan	Medicine	Targeting cancer cells/treating inflammatory bowel disease
Wahl	Angela	Medicine	DNA research
Waner	Joseph	Medicine	Immunology
Wang	Donghai	Weather	Weather forecasting
Wang	Yunhua	Acoustics	Active noise control
Wang	Yunheng	Weather	Weather prediction, modeling and simulation
Weber	Daniel	Weather	Weather prediction, modeling and simulation
Webster	Wilton	Medicine	Atrial fibrillation prevention
Wei	Changfu	Geology	Seismic wave technology
Weigel	Janet	Medicine	Cancer research
Weigel	Paul	Medicine	Cancer research
Wells	Linda	Mental disabilities	Job identifier for mentally disabled
Wen	Hengqing	Aeronautics	Aircraft landing system
Weygandt	Steven	Weather	Weather forecasting
White	Gary	Medicine/Animal Rec.	Immune tolerance and antibody monitoring
Wiebelt	Frank	Dentistry	Denture design software
Wilson	Drew	Geology	Remote geophysical imaging
Wolf	Roman	Medicine/Animal Rec.	Immune tolerance and antibody monitoring
Wolfinbarger	J. Michael	Computer	Computer software
Wolowicz	Brian	Textbooks	Electronic living textbooks
Wong	Lily	Medicine	Retinal disease prevention
Wong	Vince	Weather	Weather forecasting
Wren	Jonathan	Medicine	DNA microarray database
Wu	Shiyuan	Mechanics	Drive shaft couplings
Wu	Dee	Medicine	Cancer diagnostics/surgical imaging for spinal cord
Wyche	James	Medicine	colon cancer treatment
Xia	Wenwu	Weather	4D weather analysis software
Xia	Baoyun	Medicine	Versatile glycan analysis
Xue	Ming	Weather	Weather prediction, modeling and simulation
Yang	Su	Communications	Wireless communication
Yanumet	Nantaya	Nanotechnology	Hydrophobic cotton f+D202abric
Yao	Minghua	Medicine	DNA microarray database
Young	Joel	Medicine	Simplified microplate sample transfer
Young	Robb	Weather	Weather forecasting technology
Younis	Walid	Medicine	Preventing lung disease

Yu	Xichun	Medicine	Screening for autoantibodies against receptors
Zaman	Musharraf	Construction	Asphalt compaction analyzer/asphalt road design
Zhang	Jian	Weather	4D weather analysis software
Zhang	Liang	Nanotechnology	Growth of nanotubes
Zhang	Yuan Yuan	Medicine	Tissue regeneration
Zhao	Limin	Weather	Weather forecasting
Zhao	Zhizhuang Joe	Medicine	Disease prevention
Zhao	Bin	Medicine	Cancer research
Zhou	Dayong	Acoustics	Active noise control
Zlotnick	Adam	Medicine	Virus prevention analysis